Agency Progress Report
Capital Programs

Construction progress on the Puyallup parking garage

August | 2021

SOUNDTRANSIT

Prepared by Project Controls | Portfolio Services Office

Editor's Note

Sound Transit's Monthly Agency Progress Report summarizes projects and major contracts status, risk, and performance for capital projects.

Due to timing differences in the production of the APR and the ST financial statements, actual cost data presented in the APR may not match the quarterly financial statements. However, the actual cost data is reconciled to the financial statements on a monthly basis.

We always appreciate any suggestions you might have for future refinements to this document. To be added to the distribution list for this report or to make suggestions, please contact Julie Parker at (206) 398-5000.

The Agency Progress Report can also be found on the web at http://www.soundtransit.org/get-to-know-us/documents-reports/agency-progress-reports.

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Agency Progress Report

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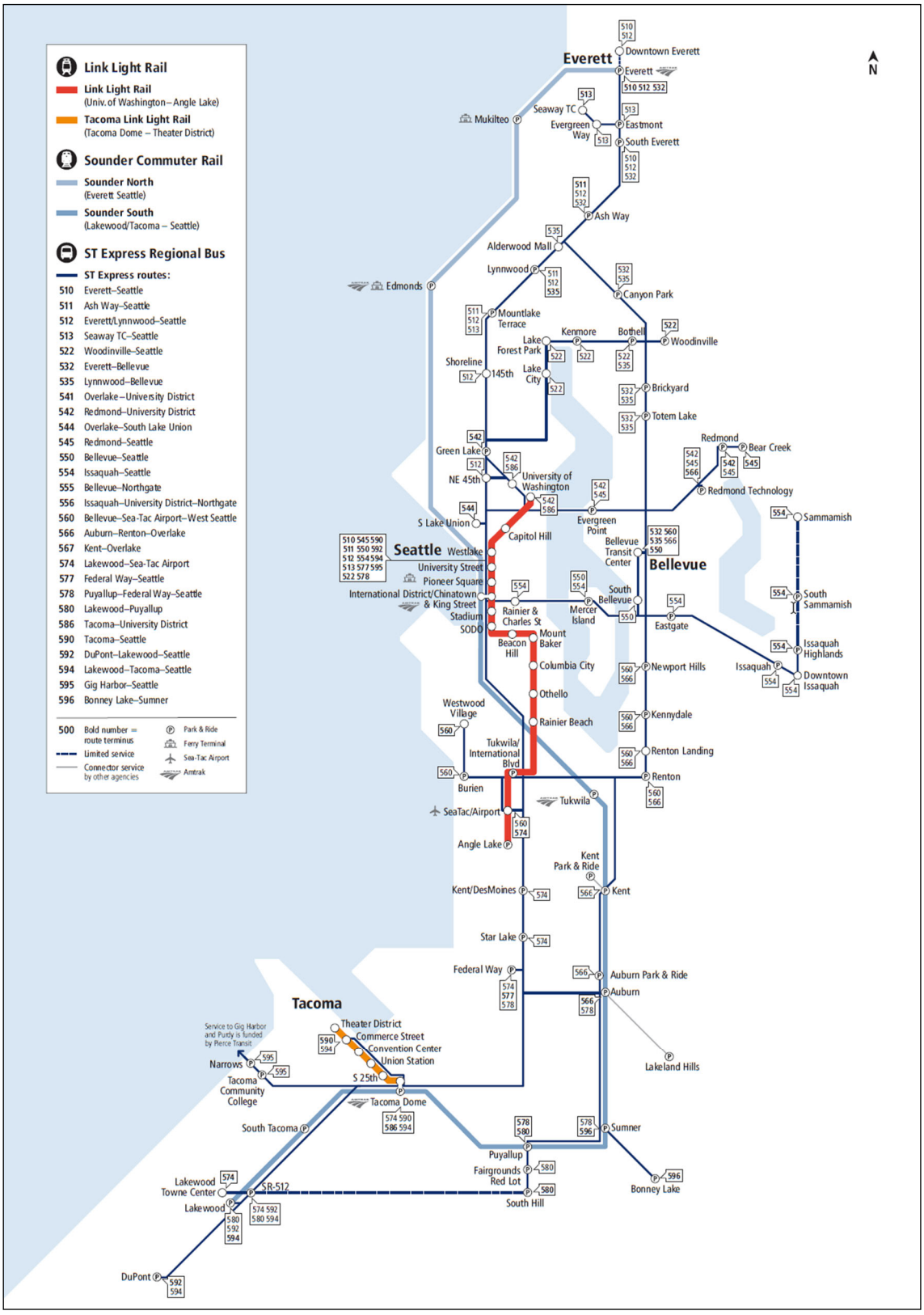
SOUND TRANSIT CURRENT SERVICE



SOUND TRANSIT FUTURE SERVICE

Board adopts realignment plan

On Aug. 5, the Sound Transit Board adopted a realignment plan that will serve as a framework for delivering critical transit expansions across the region as rapidly as possible.

The Board adopted the plan after a year and a half of deliberations about increased project estimates from the steep rise in regional real estate and construction costs in combination with advancing environmental review and project designs, which created a $6.5 billion affordability gap for delivering projects on earlier schedules.

Projects already in construction were not affected; the Board's realignment plan guides delivery dates for the next generation of voter-approved projects.

The Board's plan transparently identifies estimated affordable delivery dates for each project under current revenue and cost projections. But for priority projects that face delays under current financial projections, the realignment plan also establishes more ambitious completion targets. Sound Transit will manage these projects to their target schedules by intensively pursuing additional financial capacity and cost reductions.

Despite the affordability gap, current financial projections are sufficient for delivering many projects with minimal delays. Through securing additional funding and reducing costs, the realignment plan reflects the Board's commitment to seek to eliminate financially necessitated delays altogether.

The plan prioritizes voter-approved projects by dividing them into four tiers. Projects in the top two tiers will be managed under the more ambitious completion targets unless or until it becomes necessary to fall back to affordable completion dates that allow more time to generate the required revenues. Tier 3 and 4 projects will be managed under their affordable schedules unless the program affordability gap is eliminated for Tier 1 and Tier 2 projects, and then shrinks still further to allow Tier 3 and Tier 4 projects to be delivered more quickly. Expenditures on any one individual project will be managed to protect the affordable schedule for all other projects.

Got you covered campaign. Mask wraps applied to the grill of Link vehicles to promote public safety by masking.

Board selects site for Stride BRT maintenance base

On Aug. 26, the Board selected the Canyon Park area of Bothell as the site for the bus rapid transit maintenance base that will enable the operation of our Stride BRT on I-405 and SR-522. The choice moves the project into the final design phase.

The facility is expected to open in 2025, serving the new BRT vehicles prior to starting Stride revenue service.

Stride includes three lines:

- S1 along 1-405 South from Burien to Bellevue, scheduled to begin in 2026
- S2 along I-405 North from Bellevue to Lynnwood, scheduled to begin in 2027
- S3 along SR 522/145th from Shoreline to Bothell, scheduled to begin in 2026

Each of these lines will serve destinations along the corridors and connect with each other and the Link light rail system at several locations.

The Bothell site was selected because it best met the selection criteria, which included size, proximity to I-405 and SR-522, zoning and more. Sound Transit staff evaluated more than 30 sites for the BRT maintenance base.

To help address the region's long-term need for additional bus base capacity, the maintenance base will also house 40 double-decker buses, to be used for ST Express service.

The 12.5-acre BRT maintenance base will feature:

- A maintenance and operations building
- Parking for 120 buses, including accommodation ST Express buses
- Parking for employee vehicles
- A fueling facility
- A bus wash facility
- Sound Transit's BRT Operations and Control Center
- Infrastructure to support the battery electric buses for SR 522/145th BRT
- Accommodations for future conversion of the entire BRT fleet to battery electric propulsion

Sound Transit issued a State Environmental Policy Act Determination of Nonsignificance for the Bus Rapid Transit Maintenance Base project on Aug. 10, 2020. Sound Transit issued a SEPA Addendum to the DNS on Aug. 5, 2021, to share additional analysis with interested parties related to traffic and roadway conditions.

The Sound Transit Board is expected to consider the baseline schedule, scope and budget in late 2022 or early 2023. Construction is anticipated to begin in 2024.

USDOT announces major financing agreement with Sound Transit

On Aug. 18, U.S. Transportation Deputy Secretary Polly Trottenberg announced that USDOT will approve expanded financing assistance for Sound Transit that will create more than $500 million in savings for regional taxpayers.

The federal assistance represents USDOT's largest-ever package of loans for a single borrower in the history of the department's Transportation Infrastructure Finance and Innovation Act program. The package will total $3.84 billion for six projects. It includes a new TIFIA loan for the Downtown Redmond Link Extension and refinancing of five previously approved loans under improved terms, including refinanced loans for the Northgate Link Extension, East Link Extension, Lynnwood Link Extension, Federal Way Link Extension and the Link Operations and Management Facility East.

USDOT Tour of I-90 Floating Bridge, August 18, 2021.

Sound Transit provides property for Tiny Home Village to house people experiencing homelessness

To help address the urgent challenges facing people experiencing homelessness, Sound Transit entered into an agreement with the City of Seattle on Aug. 10 to allow the City to lease a former construction site in the University District at no cost to build a temporary tiny home village. The lease has a term of one year and can be renewed to encompass a term of up to three years whereupon the property will be converted to permanent transit-oriented development.

The project, called Rosie's Tiny Home Village, is located at 45th Street and Roosevelt Avenue, where the construction offices for the U District light rail station were formerly housed. Rosie's Tiny Home Village will be managed by the City and operated by the Low Income Housing Institute. It is expected to provide up to 36 furnished residential units and house up to 65 people. The village will include shared kitchens, bathrooms, offices and other community spaces.

In 2024, Sound Transit intends to redevelop the property as a permanent TOD project that will respond to long-term community needs identified through community engagement efforts to be completed this summer.

University District Station construction Public Art

Progress Report
Link Light Rail Program

Link Light Rail leaving Mount Baker Station

August | 2021

SOUNDTRANSIT

Prepared by Project Controls I Portfolio Services Office

Sound Transit Link Light Rail
Current Service and Future Extensions
Link Light Rail
Future service:
Everett–Seattle–West Seattle
Redmond–Seattle–Mariner
Ballard–Seattle–Tacoma
Issaquah–Bellevue–South Kirkland
Tacoma Dome–Tacoma Community College
In service:
Univ. of Washington–Angle Lake
Tacoma Dome–Theater District
New station
Added parking
Existing station
Existing parking
Provisional light rail station
N
Everett
Everett
2036
SR 526/ Evergreen
SW Everett Industrial Center
SR 99/Airport Rd
Mariner
2036
Ash Way
West Alderwood
Lynnwood City Center
2024
Mountlake Terrace
Shoreline North/185th
Shoreline South/148th
NE 130th
2031
2021
Northgate
Roosevelt
Ballard
2035
Interbay
U District
Smith Cove
University of Washington
Seattle Center
South Lake Union
Denny
Capitol Hill
Seattle
Westlake
University Street
Pioneer Square
Midtown
International District/Chinatown
Judkins Park
Mercer Island
Stadium
2030
Alaska Junction
Avalon
Delridge
SODO
Beacon Hill
Mount Baker
Columbia City
S Graham St
2031
Othello
Rainier Beach
Tukwila/ International Blvd
S Boeing Access Rd
2031
SeaTac/Airport
Angle Lake
Kent/Des Moines
S 272nd
Federal Way
2024
South Federal Way
Tacoma
Stadium District
S 4th
Old City Hall
(Theater District)
Commerce Street
Convention Center
Union Station
S 25th
Tacoma General
6th Ave
Tacoma Community College
2039
Hilltop District
2022
Pearl
Stevens
Union
Sprague
Ainsworth
St Joseph
2030
Tacoma Dome
Portland Ave
Fife
2024
Downtown Redmond
SE Redmond
2023
Redmond Technology
Overlake Village
Bel-Red/130th
Spring District/120th
Wilburton
2041
South Kirkland
Bellevue Downtown
Bellevue
East Main
South Bellevue
Richards Rd
Eastgate
Lakemont
Issaquah
2041
*Map to be updated with the ST Board Realignment decisions from August5, 2021, in a future update.

Downtown Redmond Link Extension: This project builds a new light rail from the Redmond Technology Station to downtown Redmond by 2024. Light rail will travel along SR-520 with two new stations in southeast Redmond, at Marymoor Park, and downtown Redmond.

East Link Extension: East Link Extension expands light rail to East King County via I-90 from Downtown Seattle to the Overlake Transit Center area of Redmond, with stations serving Rainier Avenue/I-90, Mercer Island, South Bellevue, Downtown Bellevue, Overlake Hospital, the Bel-Red corridor, Overlake Village and the Redmond Technology Center (formerly Overlake Transit Center).

Everett Link Extension: Everett Link Extension adds six Snohomish County stations to the growing light rail network. The 16.3-mile project extends Link service north from Lynnwood City Center to the SW Everett Industrial Center, SR 526/ Evergreen Way, and downtown Everett.

Federal Way Link Extension: The Federal Way Link Extension adds approximately 7.8 miles of light rail from the Angle Lake Station in the City of SeaTac to the Federal Way City Center. The extension generally parallels SR 99 and I-5 freeway with stations at Kent/Des Moines, South 272nd Star Lake park-and-ride and the Federal Way Transit Center.

Hilltop Tacoma Link Extension: The Hilltop Tacoma Link Extension is a 2.4 mile extension of the existing Tacoma Link system from the Theater District in downtown Tacoma to the Hilltop neighborhood. The extension will travel at-grade along Stadium Way, North 1st Street, Division Avenue, and Martin Luther King Jr. Way.

Light Rail Vehicle (LRV) Fleet Expansion: This project includes the design, manufacturing, inspection, testing and delivery of 152 low floor LRVs for service requirements of Northgate, East Link and Lynnwood Link Extensions. The Sound Transit Board in April 2017 allowed for the procurement of 30 additional vehicles.

Link Operations and Maintenance Facility East: This project located in the City of Bellevue, includes a 160,000 square foot operations and maintenance facility that will maintain, store and deploy and expand light rail fleet, including seven LRV service bays, a LRV wash facility and storage for up to 96 light rail vehicles.

Lynnwood Link Extension: Lynnwood Link Extension extends light rail 8.5 miles to Snohomish County along I-5 from Northgate Mall in Seattle to the Lynnwood Transit Center, with four new light rail stations. The configuration includes at-grade, elevated, and retained cut/fill alignment.

NE 130th Street Infill Station: This project will construct foundation and substructure elements for an elevated, side-platform infill light rail station at NE 130th Street and 5th Ave in Seattle.

Northgate Link Extension: The University of Washington Station (UWS) to Northgate project is a 4.3-mile extension of light rail from the UWS north under campus via twin-bored tunnels to an underground station at NE 45th Street continuing to an underground station at NE 65th Street and via tunnel, retained cut and elevated sections to Northgate.

Tacoma Dome Link Extension: This project will extend light rail from the Federal Way Transit Center in the City of Federal Way to the Tacoma Dome area in the City of Tacoma a total distance of approximately 9.7 miles, generally along or near I-5 with three elevated stations at South Federal Way, Fife, and East Tacoma, and one at-grade/retained station at the Tacoma Dome.

West Seattle and Ballard Link Extensions: The West Seattle & Ballard Link Extensions are voter-approved projects under the ST3 Plan. West Seattle segment includes 4.7 miles of light rail from downtown Seattle to West Seattle's Junction neighborhood. It includes five light rail stations. The route will run primarily on elevated guideway with a new rail-only bridge over Duwamish River. The Ballard segment includes 7.1 miles of light rail from downtown Seattle to Ballard's Market Street area. It includes nine light rail stations. The route will run through a new downtown Seattle rail-only tunnel, elevated guideway, and a rail-only bridge over Salmon Bay.

Program Budget

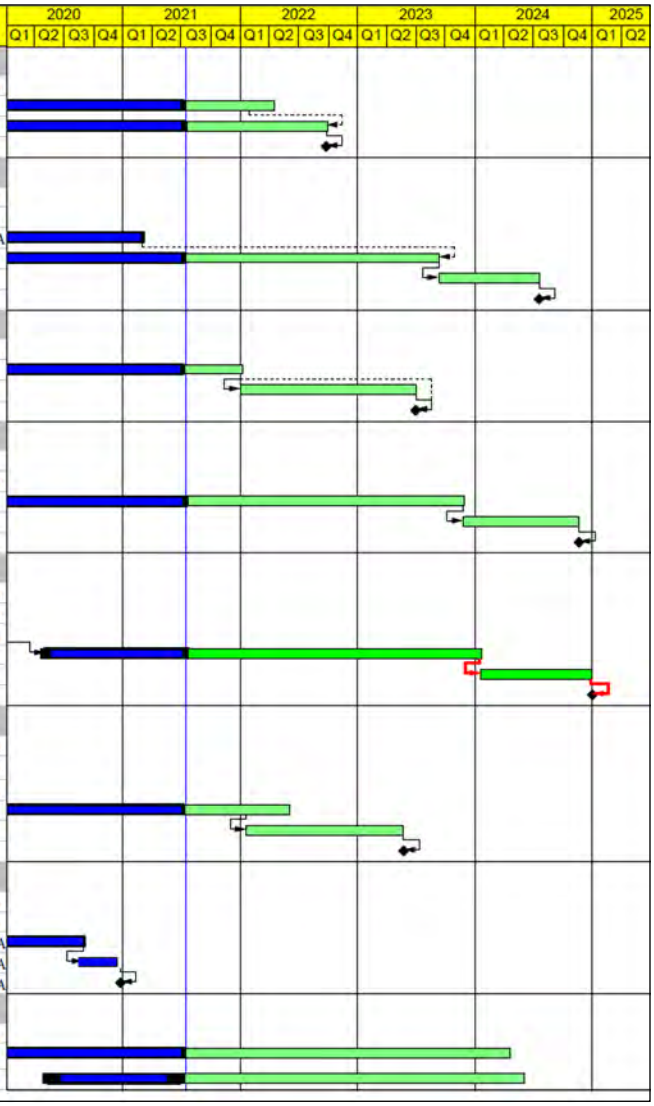
Project figures for active projects are represented in millions below.

Project	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Downtown Redmond Link Extension	$1,530.0	$952.5	$403.5	$1,530.0	$0.0
East Link Extension	$3,677.2	$3,187.9	$2,988.9	$3,677.2	$0.0
Everett Link Extension	$185.0	$18.6	$7.8	$185.0	$0.0
Federal Way Link Extension	$2,451.5	$1,808.1	$870.1	$2,451.5	$0.0
Hilltop Tacoma Link Extension	$252.7	$219.3	$183.0	$252.9	$0.0
I-90 Two-Way Transit & HOV Operations (Stage 3)	$207.6	$209.7	$199.9	$207.6	$0.0
Light Rail Vehicle (LRV) Fleet Expansion	$740.7	$678.2	$347.5	$740.7	$0.0
Link Operations and Maintenance Facility: East	$449.2	$379.3	$377.4	$449.2	$0.0
Lynnwood Link Extension	$2,771.6	$2,438.9	$1,420.1	$2,771.6	$0.0
NE 130th Street Infill Station	$28.9	$20.0	$16.0	$28.9	$0.0
Northgate Link Extension	$1,899.8	$1,737.1	$1,718.1	$1,847.3	$52.5
Tacoma Dome Link Extension	$125.7	$67.1	$48.8	$125.7	$0.0
West Seattle and Ballard Link Extensions	$285.9	$117.3	$108.4	$285.9	$0.0
Total	**$14,605.9**	**$11,834.1**	**$8,689.4**	**$14,553.5**	**$52.5**

Program Schedule

Schedules for active projects are summarized below. Projects from the realignment process are not shown. ST is currently updating schedules with ST Board of Director's R2021-05 Realignment Decision.

Activity ID	Activity Name	Original Duration	Start	Finish
Northgate Link Extension (BASELINED)				
A1040	Final Design	1267	04-Oct-10 A	19-May-17 A
A1050	Civil/Systems Construction (incl Procurements)	2907	10-May-12 A	20-Apr-22
A1060	Systemwide Startup/Testing/Float	1020	13-Feb-19 A	06-Oct-22
A1070	Revenue Service Date	0		06-Oct-22
Lynnwood Link Extension (BASELINED)				
A1260	NEPA/SEPA/Draft EIS	513	02-Jan-12 A	27-Dec-13 A
A1270	Preliminary Engineering/Final EIS/ROD	542	02-Jan-14 A	30-Jun-15 A
A1280	Final Design (incl Procurement)	1276	02-Jan-15 A	28-Feb-21 A
A1400	Civil(incl Early Work)/Systems Construction	1689	08-Jan-19 A	09-Sep-23
A1540	Systemwide Startup/Testing/Float	312	10-Sep-23	17-Jul-24
A1550	Revenue Service Date	0		17-Jul-24
East Link Extension (BASELINED)				
A1080	Final Design (incl Procurement)	1084	16-Sep-11 A	31-Jan-18 A
A1100	Civil/Systems Construction (incl GCCM Procure)	2766	03-Jun-14 A	31-Dec-21
A1380	Systemwide Startup/Testing/Float	546	01-Jan-22	30-Jun-23
A1160	Revenue Service Date	0		30-Jun-23
Downtown Redmond Link Extension (BASELINED)				
A1560	Preliminary Engineering	574	03-Jan-17 A	30-Jul-18 A
A1570	Design-Build Procurement	457	25-May-18 A	24-Aug-19 A
A1580	Civil/Systems Construction	1553	25-Aug-19 A	24-Nov-23
A1590	Systemwide Startup/Testing/Float	361	25-Nov-23	19-Nov-24
A1600	Revenue Service Date	0		19-Nov-24
Federal Way Link Extension (BASELINED)				
A1340	Phase 1/2 - Alternatives Analysis/DEIS/CE	1163	30-Jun-12 A	31-Dec-14 A
A1350	Phase 3 - FEIS and PE	269	30-Apr-15 A	03-Dec-18 A
A1360	Design-Build Procurement	477	12-Apr-18 A	07-Jun-19 A
A1370	Civil/Systems Construction	1649	04-May-20 A	19-Jan-24
A1610	Systemwide Startup/Testing/Float	347	20-Jan-24	31-Dec-24
A1620	Revenue Service Date	0		31-Dec-24
Tacoma Link Extension (BASELINED)				
A1290	Preliminary Alternatives Analysis/Scoping/AA	322	25-Apr-10 A	13-Nov-13 A
A1320	EA/Preliminary Engineering	546	01-Apr-14 A	04-Nov-16 A
A1330	Final Design (incl Procurement)	731	04-Jan-16 A	31-May-18 A
A1630	Civil/Systems Construction (incl Procurement)	1649	23-Jan-18 A	20-May-22
A1640	Systemwide Startup/Testing/Float	488	21-Jan-22	23-May-23
A1650	Revenue Service Date	0		23-May-23
Link OMF-East (BASELINED)				
A1410	NEPA/SEPA/Preliminary Engineering	542	02-Jan-14 A	17-Jun-16 A
A1420	Design-Build Procurement	741	18-Jun-16 A	18-Jun-17 A
A1430	Civil/Systems Construction	1078	19-Jun-17 A	28-Aug-20 A
A1720	Project Float	117	29-Aug-20	23-Dec-20 A
A1730	Project Completion Date	0		23-Dec-20 A
Light Rail Vehicles (BASELINED)				
A1740	Vendor Procurement	741	24-Feb-15 A	11-Oct-16 A
A1750	LRV Design,Build,Deliver (thru 122nd LRV)	483	31-Aug-18 A	15-Apr-24
A1760	LRV Conditional Acceptance (thru 122nd LRV)	700	05-Jun-20 A	30-May-24



Project Summary

Scope

Limits — The Downtown Redmond Link Extension (DRLE) builds new light rail from the Redmond Technology Station to downtown Redmond.

Alignment — The extension starts at Redmond Technology Station and travels generally along SR-520 and SR-202 to downtown Redmond.

Stations — Two Stations—SE Redmond (at Marymoor Park) and Downtown Redmond

Systems — Signals, traction electrification, and communications (SCADA)

Phase — Construction

Budget — $1.530 Billion (Baselined October 2018)

Schedule — Revenue Service: December 31, 2024

Map of Downtown Redmond Link Extension

Key Project Activities

- Ground Improvements – Marymoor and SE Redmond Garage
- Coordinating with ST Operations and Real Estate on proposed fence locations adjacent to sound walls.
- Working with contractor to close open items related to IFC conditional approvals.
- Contractor preparing multiple NDC (notice to designer submittals – post IFC updates).
- Directed the contractor to move forward with a ballast mat design concept in Segment 1, adjacent to Building 87.
- Finished in-water work and woody debris installation at Bear Creek.
- Clearing, staking and preparing for PSE utility relocations at the Marymoor Park offsite mitigation site.
- Cell providers received City permit and erected the temporary cell tower in SE Redmond. Existing Crown Castle and Verizon towers scheduled to be decommissioned by end of September.
- Supported press conference at Downtown Redmond Station for the Deputy Secretary of Transportation and ST CEO.

Closely Monitored Issues

- Ensuring utility relocations being done by third parties support the project schedule.
- Timely relocation of cell towers to new temporary and permanent locations.
- Acquisition of remaining outstanding property rights

Project Cost Summary

Voters approved funding for preliminary engineering for the Redmond Link Extension (DRLE) in the 2008 in the Sound Transit 2 ballot measure. In response to the 2007-2009 Great Recession, the ST Board suspended the project. In February 2016, the ST Board restored funding to support preliminary engineering of the project prior to funding approval for final design and construction as part of the Sound Transit 3 Plan. Table (below) figures in millions. This project has now been baselined, The baseline budget has been incorporated into the tables below. The first table below summarizes costs in accordance with Sound Transit's budget Work Breakdown Structure (WBS), while the second table in FTA's Standard Cost Categories (SCC) format. The figures in both tables are shown in millions.

In this period, DRLE incurred approximately $18.8M of expenditure. This period expenditure incurred primarily in the Construction phase $15.1M for mostly progression of design build scope and construction services and the rest of the work phases made up the balance. Total cumulative expenditure to date rose from $384.6M to $403.5M.

Cost Summary by Phase

Project Phase	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$77.0	$77.0	$16.9	$16.4	$77.0	$0.0
Preliminary Engineering	$23.0	$23.0	$19.6	$19.3	$23.0	$0.0
Final Design	$4.5	$4.5	$1.0	$0.8	$4.5	$0.0
Construction Services	$58.0	$63.6	$49.4	$21.3	$63.6	$0.0
Third Party Agreements	$17.0	$17.0	$10.7	$5.8	$17.0	$0.0
Construction	$1,151.5	$1,145.9	$751.4	$238.3	$1,145.9	$0.0
ROW	$199.0	$199.0	$103.5	$101.5	$199.0	$0.0
Total	**$1,530.0**	**$1,530.0**	**$952.5**	**$403.5**	**$1,530.0**	**$0.0**

Cost Summary by SCC

SCC Element	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
10 Guideway & Track	$332.4	$332.4	$231.6	$77.5	$332.4	$0.0
20 Stations	$261.9	$261.9	$184.6	$35.9	$261.9	$0.0
30 Support Facilities	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
40 Sitework & Special Conditions	$287.1	$287.7	$194.9	$40.1	$287.7	$0.0
50 Systems	$108.6	$103.6	$65.8	$12.8	$103.6	$0.0
Construction Subtotal (10 - 50)	**$990.0**	**$985.6**	**$676.9**	**$166.3**	**$985.6**	**$0.0**
60 Row, Land	$168.5	$168.5	$103.5	$101.5	$168.5	$0.0
70 Vehicles (Non-Revenue)	$4.1	$4.1	$0.3	$0.0	$4.1	$0.0
80 Professional Services	$289.3	$293.6	$171.9	$135.4	$293.6	$0.0
90 Unallocated Contingency	$78.2	$78.2	$0.0	$0.0	$78.2	$0.0
Total (10 - 90)	**$1,530.0**	**$1,530.0**	**$952.5**	**$403.5**	**$1,530.0**	**$0.0**

Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It is Sound Transit's responsibility to continuously monitor project status and associated risks.

The project completed its quantitative risk assessment risk workshop as part of the project baseline process in Q4 2018. The quantitative risk assessment report supported with good probability that the project baseline cost and schedule assumptions. The externality conditions remain the same this period and may have reduced in some instances, but the generally speaking the project's risk profile remains some what unchanged. The second quarterly qualitative register update is being finalized. The following are the current top project risk areas:

- COVID-19 pandemic - impact due to COVID-19 as experience this past year has been due to supply chain interruption, availability of labor as well as inefficiencies. That said many impacts are still unknown and situation is fluid. ST continues to closely monitored this area.
- Agency staffing and labor capacity - developing and mobilizing resources and coordinating system integration and start up activities across multiple extensions within a short time frame; market shortage of qualified construction labor.
- Unanticipated and differing site condition during construction such as grounding solution for TPS; geotechnical condition could increase cost and delay schedule.
- Permitting and third party requirements - construction adjacent to SR520; flood prone areas by Sammamish River and Bear Creek; archaeological discovery; permitting of stream crossings; betterment requests increases complexity of projects; construction impacts to traffic; protracted negotiation with third parties; interfaces with private utilities for utility relocations.
- Change during finalization of design and during construction—late discovery of sensitive receptors; utilities; threat and Vulnerability and preliminary hazard designs.

Contingency Management

DRLE project budget was baselined with a total contingency of $435.8M. The Design Build contract have been procured and the total contingency balance stands at $281.6M (previously $284.8M). The current contingency balance is consistent with the project's planned contingency drawdown.

Design Allowance (DA) was established to account for unquantified scope at the time of the cost estimate. DA remains at $4.2. DA is expected to be fully drawn down at the end of the project.

Allocated Contingency (AC) is used to address risks, complexity and unforeseen conditions during the execution of work, including procurement. This period, AC was balance shows a net change of about $3.2M bringing the balance to approximately $199.2M

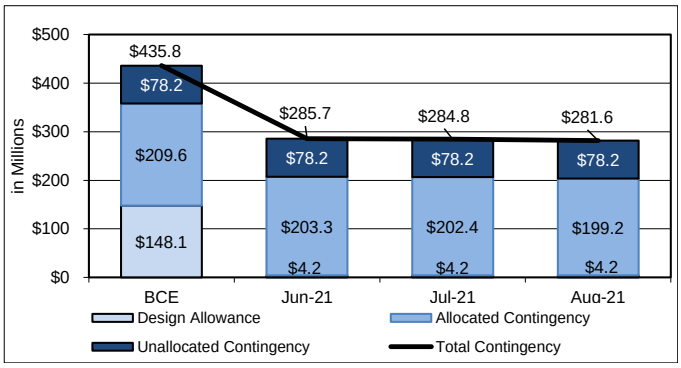
Unallocated Contingency (UAC) is used to address general project-wide cost risks and uncertainties. The UAC balance remains at $78.2M.

Contingency Status

Contingency Type	Baseline		Current Status	
	Amount	% of Total Budget	Amount Remaining	% of Work Remaining
Design Allowance	$148.1	9.7%	$4.2	0.4%
Allocated Contingency	$209.6	13.7%	$199.2	17.4%
Unallocated Contingency	$78.2	5.1%	$78.2	6.8%
Total	**$435.8**	**28.5%**	**$281.6**	**24.6%**

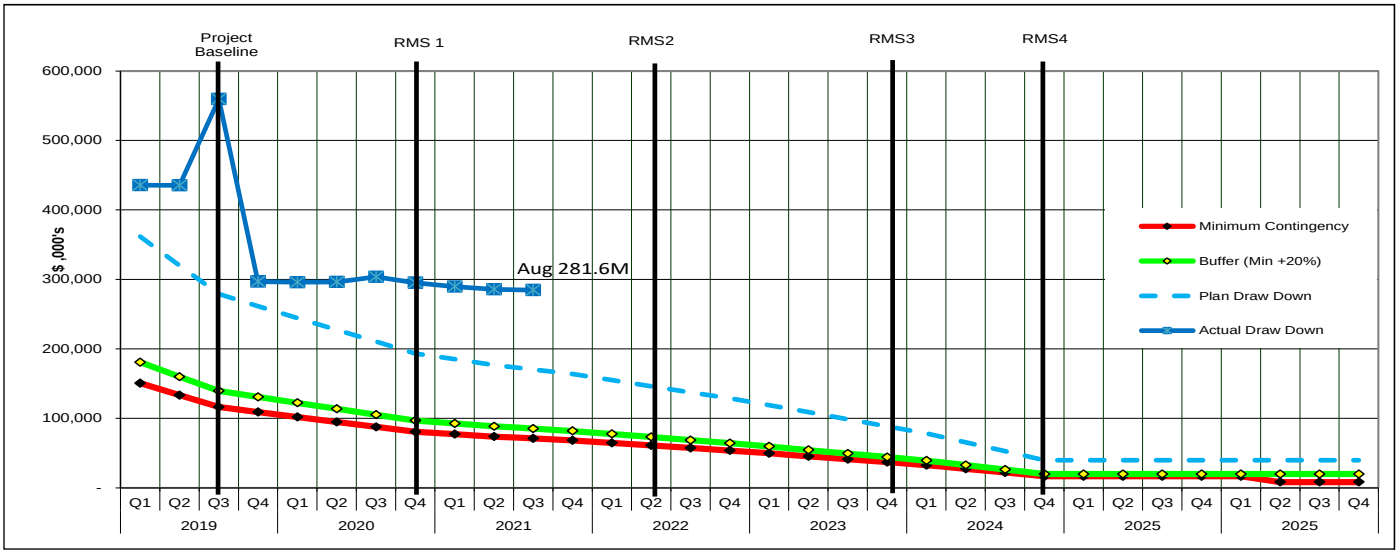
Table figures are shown in millions.

Contingency by Type



Contingency Drawdown

DRLE Project's total contingency drawdown trends better than plan with an overall contingency balance at approximately at $281.6M (unchanged from previous) and remains above the baseline drawdown projection and well above both the minimum contingency and the buffered (minimum plus 20%) contingency levels. August contingency draw net change of approximately $3.2M due to miscellaneous ROW adjustment and some construction changes.



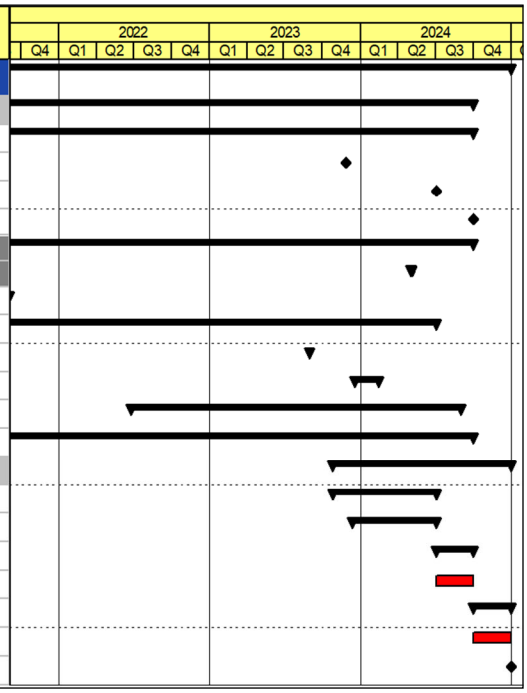
Contingency Drawdown as of August 31, 2021

Link Light Rail
Downtown Redmond Link Extension

Project Schedule

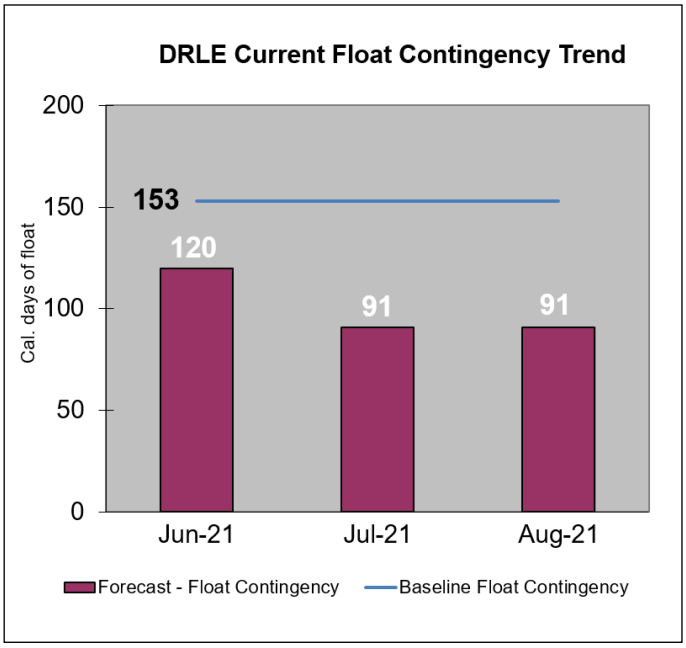
The current project schedule is presented below. The Downtown Redmond Station Issued For Construction design package was submitted for final review this month. Ongoing work includes the 40th and 51st St. cut & cover tunnels, wall construction along the at-grade guideway, substructure for both the Sammamish and Downtown Guideways. Foundation work is ongoing at SE Redmond Parking Garage. The project is forecast for completion by the end of 2024.

Activity Name	Start	Finish
Downtown Redmond Link Extension - Construction	09-Sep-19 A	31-Dec-24
R200 Downtown Redmond Link Extension - Design-Build Contract	09-Sep-19 A	01-Oct-24
CONTRACT MILESTONES & INCENTIVES	09-Sep-19 A	01-Oct-24
SWK Construction Complete		28-Nov-23
MS-1 Project Ready for Pre-Revenue Operations (5/21/24)		03-Jul-24*
MS-2 Acceptance of All Work - Ready for Revenue Service (8/19/24)		01-Oct-24
OWNER FLOAT	09-Sep-19 A	01-Oct-24
UNUSUALLY SEVERE WEATHER	04-May-24	04-May-24
PRE-CONSTRUCTION	09-Sep-19 A	02-Sep-21
CONSTRUCTION	09-Sep-19 A	03-Jul-24
OCC	01-Sep-23	01-Sep-23
PUNCHLIST	19-Dec-23	17-Feb-24
TESTING INTEGRATION / REVENUE SERVICES	23-Jun-22	01-Sep-24
SAFETY & SECURITY CERTIFICATION	03-Jul-20 A	01-Oct-24
Downtown Redmond Link Extension - Rail Activation/Closeout	25-Oct-23	31-Dec-24
Systems Integration & Testing	25-Oct-23	03-Jul-24
Safety and Security Certification	13-Dec-23	03-Jul-24
Pre-Revenue Service	04-Jul-24	01-Oct-24
Pre-Revenue Operations	04-Jul-24	01-Oct-24
Revenue Service/Project Float	02-Oct-24	31-Dec-24
Project Float	02-Oct-24	31-Dec-24
Revenue Service		31-Dec-24



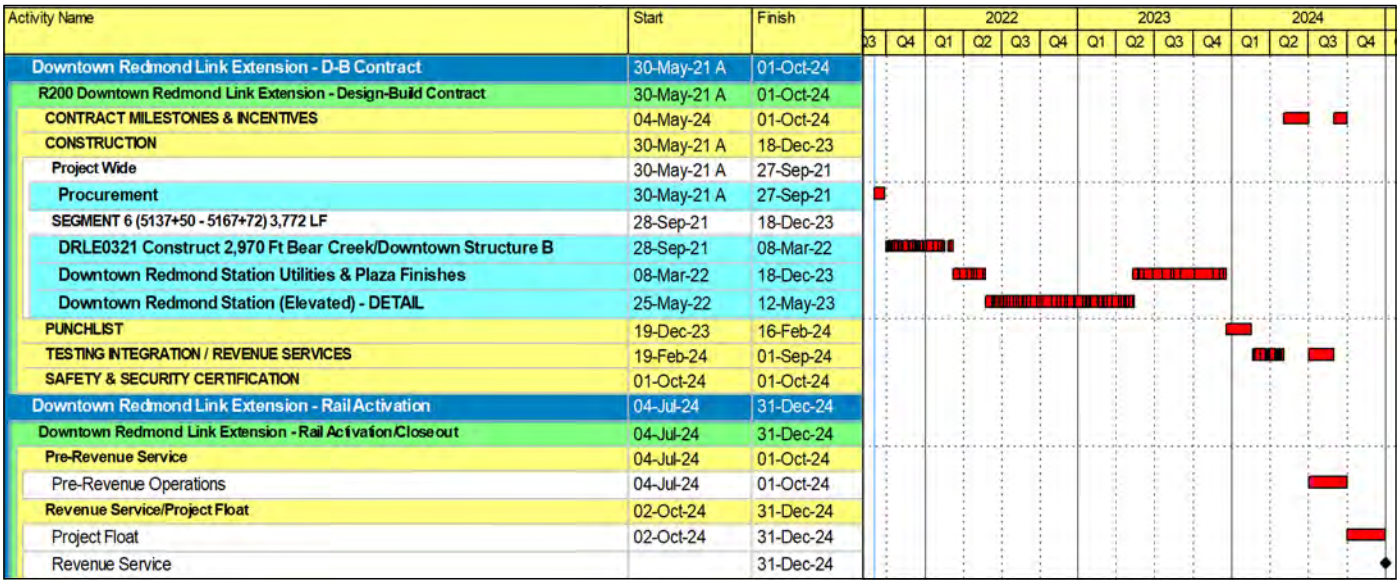
Project Float

DRLE was baselined with 153 days of project float. Currently, the R200 contractor is experiencing some time impacts, largely due to delays in girder fabrication, resulting in the forecasted use of additional project float. The project is currently forecasting 91 days of project float. A mitigation effort is underway that will likely result in the restoration of some projected float.



Critical Path Analysis

The critical path for R200 currently runs through girder procurement, followed by the downtown aerial guideway structure through Downtown Redmond Station, station work, and finally into System Integration Testing.



Activity Name	Start	Finish
Downtown Redmond Link Extension - D-B Contract	30-May-21 A	01-Oct-24
R200 Downtown Redmond Link Extension - Design-Build Contract	30-May-21 A	01-Oct-24
CONTRACT MILESTONES & INCENTIVES	04-May-24	01-Oct-24
CONSTRUCTION	30-May-21 A	18-Dec-23
Project Wide	30-May-21 A	27-Sep-21
Procurement	30-May-21 A	27-Sep-21
SEGMENT 6 (5137+50 - 5167+72) 3,772 LF	28-Sep-21	18-Dec-23
DRLE0321 Construct 2,970 Ft Bear Creek/Downtown Structure B	28-Sep-21	08-Mar-22
Downtown Redmond Station Utilities & Plaza Finishes	08-Mar-22	18-Dec-23
Downtown Redmond Station (Elevated) - DETAIL	25-May-22	12-May-23
PUNCHLIST	19-Dec-23	16-Feb-24
TESTING INTEGRATION / REVENUE SERVICES	19-Feb-24	01-Sep-24
SAFETY & SECURITY CERTIFICATION	01-Oct-24	01-Oct-24
Downtown Redmond Link Extension - Rail Activation	04-Jul-24	31-Dec-24
Downtown Redmond Link Extension - Rail Activation/Closeout	04-Jul-24	31-Dec-24
Pre-Revenue Service	04-Jul-24	01-Oct-24
Pre-Revenue Operations	04-Jul-24	01-Oct-24
Revenue Service/Project Float	02-Oct-24	31-Dec-24
Project Float	02-Oct-24	31-Dec-24
Revenue Service		31-Dec-24

Right-of-Way

The Right-of-Way effort for this project involves the acquisition of a range of property interests which includes compensable (e.g. fee acquisitions, guideway easements, permanent and temporary construction easements) and non-compensable rights (e.g. rights of entry). These acquisitions will result in owner and tenant residential and commercial relocations. The right-of-way program status for this period is summarized in the following table.

Downtown Redmond Link Extension Property Acquisition Status*					
ACQUISITION				RELOCATION	
Total Acquisitions	Board Approved	Offers Made to date	Closings to date	Relocations Required **	Relocations Completed to date
84	88	91	72	1579	1572

** All numbers are cumulative totals, except where noted. Number of totals may differ from other reports due to the timing of reporting periods.*

*** A large majority of the relocation count is due to the relocation of storage units.*

Note: The change in Board Approved was due to a correction. The WSDOT ASL/TCAL leases was being counted in the #of parcels needed and board authorized and they should have been included in the WSDOT tracking.

Community Engagement

- Ongoing engagement with the public and businesses on potential construction impacts, with specific focus on property owners and tenants regarding the start of construction this year and the increasing construction activities along SR520.
- Continued communications with regards to noise complaints from residents along SR520 corridor
- Coordination with WSDOT and City of Redmond for MOT and pedestrian/bike path changes ahead of the girder work in November and SR 520/202 West Bound on ramp closure January-May 2022

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

The planned FTE monthly average is the monthly annualized average of 12 months; whereas the YTD monthly average only reflects actuals through August of 2021. The consulting variance is due to the fact that the design build project management consultants are being prudently mobilized. Effectively the variance gap should trend closer to plan average as the year progresses; however, due to fluidity of the situation with COVID-19, it is hard to predict how the annual plan will unfold accordingly.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	27.2	22.9	(4.3)
Consultants	37.0	31.4	(5.6)
TOTAL	64.2	54.3	(9.8)

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
	None to report this period.	

Construction Safety

Data/ Measure	August 2021	Year to Date	Project to Date
Recordable Injury/Illness Cases	1	5	5
Days Away From Work Cases	0	0	0
Total Days Away From Work	0	0	0
First Aid Cases	3	10	11
Reported Near Mishaps	1	3	7
Average Number of Employees on Worksite	377	-	-
Total # of Hours (GC & Subs)	21,726	209,221	241,348
OSHA Incident Rates	**Month**	**Year to Date**	**Project to Date**
Recordable Injury Rate	9.21	4.78	4.14
LTI Rate	0.00	0.00	0.00
Recordable National Average	**2.80**		
LTI National Average	**1.10**		
Recordable WA State Average	**5.70**		
LTI WA State Average	**2.00**		

Note: Due to the timing of contractor's reporting periods, the current month's numbers above are a combination of actuals and estimates. All previous months' numbers are reconciled and replaced with actuals.

Contract R200 - DRLE Design Build

Current Progress

Design:

- Reviewed the Design Under Development areas of the Heavy Civil Guideway System (HCGS) packet.
- Reviewed and responded to Notice of Design Change / Final Design Consultant.

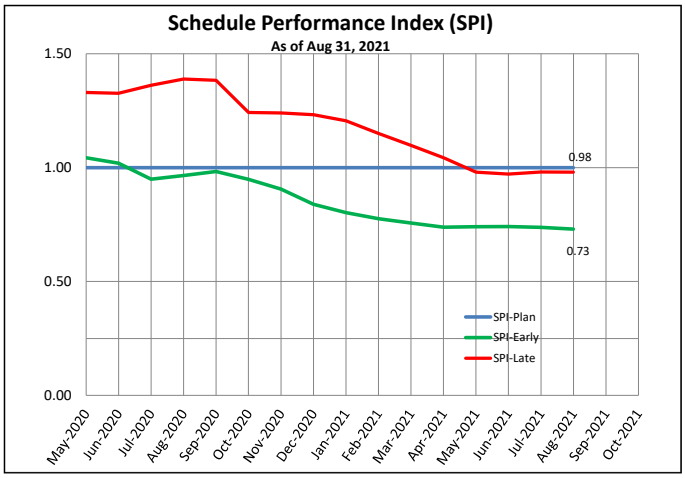
Construction:

- Temporary shoring for transformers adjacent to Microsoft campus.
- Wall work and cut and cover prep work at NE 40th St. Site prep in SE Redmond and Downtown..
- PSE continued work to relocate transformers / vista switches at the Liberty Mutual building.

Schedule Performance Index

The Early Schedule Performance Index (SPI) for the project is at 0.73 for this period, and the Late SPI is at 0.98. The index under 1 indicates that the Contractor is behind. The late start to construction causing the dip, but the trend is heading according to plan. The SPI Early continues to lag the early finish plans.

The schedule continues to show some time impacts due to extreme weather delay, girder supply chain delay due to COVID-19. The Contractor is working diligently to identify as many opportunities as possible to try to recapture float on future work by performing tasks in more beneficial ways to the project, constructive acceleration and resequencing where feasible.



Contract R200 - DRLE Design Build

Next Period's Activities

- Crews to work on cap beams for south side at 51st Street. Track drainage is scheduled to begin.
- Utility work is scheduled to begin at SE Redmond area.
- Start benching and Soil nail at 60th. Begin construction of access road along the east side in order to begin the wall construction.
- Bent cap construction will continue thru September.

Closely Monitored Issues

- Contractor submitted COVID-19 Supply Chain Impacts due to federal government's decision to close the borders and impose other trade restrictions.
- Contractor submitted Notice of Delay for Unknown Conduit at 40th Street site walls. Microsoft has not completed the relocation of their unknown fiber line.
- Continue working with third party utilities to complete utility relocations within construction schedule.

Cost Summary

Present Financial Status	Amount
R200 Contractor – Stacy Witbeck Kuney, a Joint Venture	
Original Contract Value	$719,396,000
Change Order Value	$10,582,295
Current Contract Value	$729,978,295
Total Actual Cost (Incurred to Date)	$228,115,461
Percent Complete	37.6%
Alternative Concept Allowance	$46,432,698
Authorized Contingency	$78,823,902
Contingency Drawdown	$10,582,295
*Contingency Index	2.8

**Excludes Betterments*

Northwest area of Bear Creek. In water work is complete for year one; area is now stabilized.

Project Summary

Scope

Limits — Fourteen-mile extension from Downtown Seattle to Mercer Island, Bellevue and the Overlake area of Redmond.

Alignment — East Link Extension expands light rail to East King County via I-90 from Downtown Seattle to the Overlake Transit Center area of Redmond.

Stations — Judkins Park (JPS), Mercer Island (MIS), South Bellevue, East Main, Bellevue Downtown (BDS), Wilburton, Spring District/120th, Bel-Red/130th, Overlake Village (OVS) and Redmond Technology (RTS).

Systems — Signals, traction electrification, and communications (SCADA).

Phase — Construction

Budget — $3.677 Billion (Baseline April 2015)

Schedule — Revenue Service: June 2023

Map of East Link Extension Alignment.

Key Project Activities

- **West Segment:** Ongoing track plinth and grout pad remediation, NCR corrective work; progress landscaping at Judkins Park Station; complete Rainier Ave repaving and striping; removal of pedestrian bridge scaffolding
- **Center Segment:** Ongoing wax tape / track plinth / grout pad remediation; continue bridge-wide repolarization
- **East Segment***:* Ongoing track plinth and grout pad remediation, NCR corrective work
- **E320 South Bellevue:** Progressed guideway signage installation, continued landscaping, fencing and ongoing de-stressing/thermite welding of track and pedestrian crossing work. South Bellevue Parking Garage AHJ inspections prior to opening.
- **Downtown Bellevue to Spring District (E335)**: Completed 6th street sidewalk concrete installation, pour plaza concrete and installation of north platform decorative wind screen glass and elevators surface terracotta at Downtown Bellevue station. Continued install metal panels, light fixtures, handrails, benches, trash receptacles at Wilburton Station.
- **Bel-Red (E340)**: Conducted rail-to-earth test along the embedded track. Conducted hydrant inspection at 130th Ave NE. Installed guideway signage, system conductors and junction boxes in the 130th Station and along the guideway.
- **SR520 to Redmond Technology Station (E360)**: Redmond Technology Station garage repairs work continues. Aerial Continued punch list work at Overlake Village Station and Pedestrian Bridge.
- **Systems (E750):** Continued submittals, component design/manufacturing/fabrication. Progressed communication and signaling equipment installations at E130 and E360; Signal house delivered at E340 and E360, installation of feeder cables for energization and local testing. Ongoing installation of OCS wire throughout the alignment.

Closely Monitored Issues

- Redmond Technology Station Garage's structural repairs.
- Civil segments continue to trend late in handing over access to follow on Systems contractor and System Integrated Testing.
- COVID-19 pandemic remains challenging at all levels of project activities.
- Resolution to commercial issues with contractors.
- Staff and consultant attrition at late stage of project and lost of continuity and project knowledge.

Project Cost Summary

The project cost is summarized below in two cost categories. The first table summarizes costs in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The second table summarizes costs in accordance with the FTA's Standard Cost Categories (SCC) format. The figures in both tables are shown in millions.

The Estimated Final Cost (EFC) remains the same at approximately $3.68B. This period's estimated expenditure is approximately $27.3M, increasing the total expenditure to date from $2.96B to $2.99B. Project commitment is at approximately $3.2B with all major construction contracts in place. The pace of civil construction expenditures has begun to slow down. That said, the major cost predominantly driven from E130; E335 and Systems E750 constructions. COVID-19 cases remains fluid, assessment of impacts continues as well as ongoing monitoring of downstream supply chain interruptions.

Cost Summary by Phase

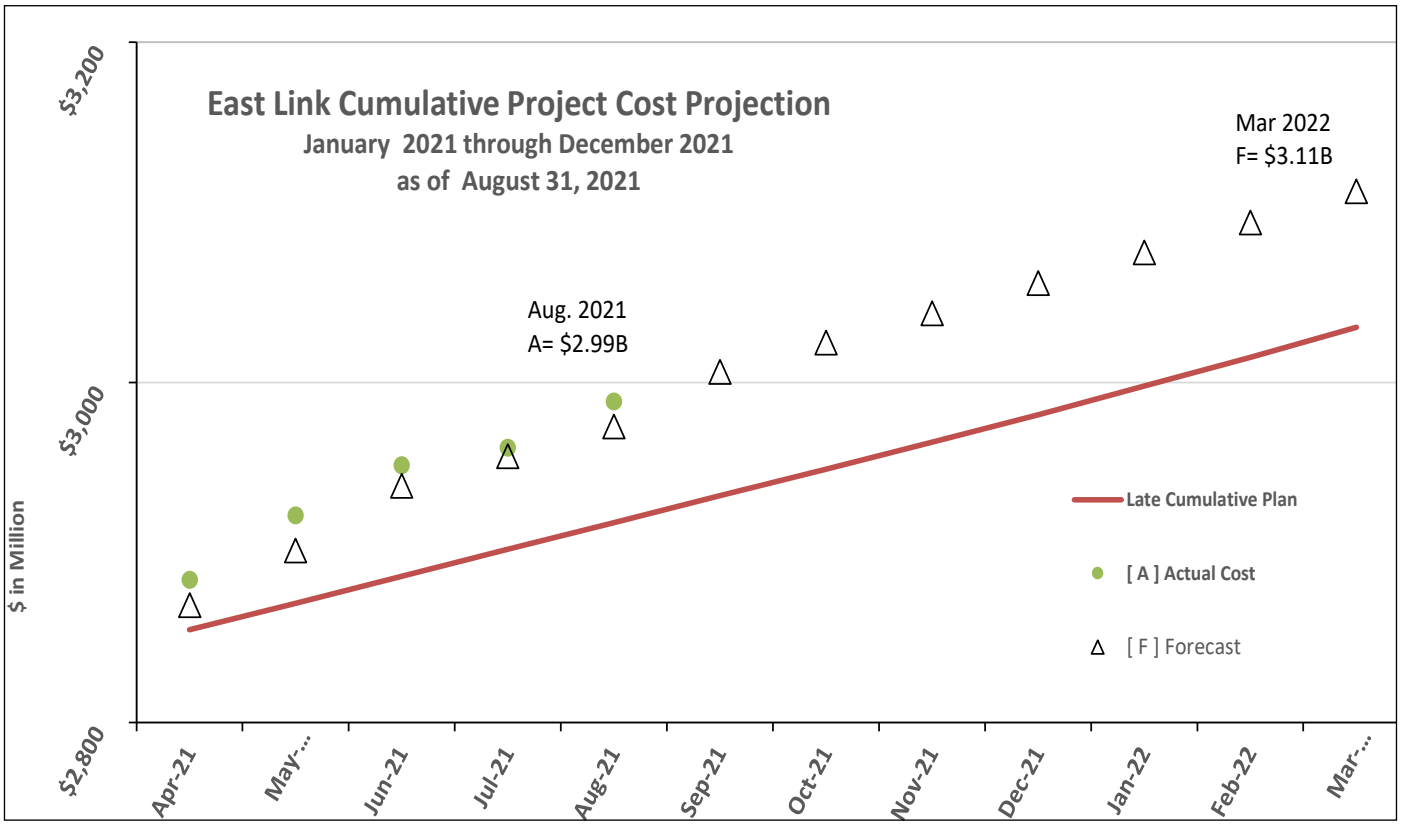
Project Phase	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$186.2	$186.2	$111.4	$111.5	$186.2	$0.0
Preliminary Engineering	$55.9	$55.9	$54.8	$54.8	$55.9	$0.0
Final Design	$283.0	$283.0	$249.0	$238.1	$283.0	$0.0
Construction Services	$257.5	$257.5	$204.4	$183.5	$257.5	$0.0
3rd Party Agreements	$52.2	$52.2	$38.3	$33.9	$52.2	$0.0
Construction	$2,544.3	$2,544.3	$2,250.3	$2,088.0	$2,544.3	$0.0
Light Rail Vehicles	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
ROW	$298.2	$298.2	$279.7	$279.0	$298.2	$0.0
Total	**$3,677.2**	**$3,677.2**	**$3,187.9**	**$2,988.9**	**$3,677.2**	**$0.0**

Cost Summary by SCC

SCC Element	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
10 Guideway & Track	$744.6	$945.7	$907.8	$888.9	$944.4	($199.8)
20 Stations	$397.7	$478.2	$458.2	$436.6	$480.7	($83.0)
30 Support Facilities	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
40 Sitework & Special Conditions	$808.5	$574.9	$502.1	$463.6	$569.7	$238.8
50 Systems	$353.8	$367.9	$347.2	$267.4	$371.1	($17.3)
Construction Subtotal (10 - 50)	**$2,304.6**	**$2,366.7**	**$2,215.3**	**$2,056.4**	**$2,366.0**	**($61.4)**
60 Row, Land	$288.5	$288.5	$279.7	$279.0	$288.5	($0.0)
70 Vehicles (non-revenue)	$2.8	$2.8	$1.1	$0.4	$2.8	$0.0
80 Professional Services	$898.4	$889.1	$691.9	$653.1	$889.9	$8.5
90 Unallocated Contingency	$182.9	$130.0	$0.0	$0.0	$130.0	$52.8
Total (10 - 90)	**$3,677.2**	**$3,677.2**	**$3,187.9**	**$2,988.9**	**$3,677.2**	**$0.0**

Project Cash Flow Projection

The East Link cost projection continues to progress within the planned expenditure as construction activities continue to pickup. This period's project expenditure topped out at approximately $27.3M where Construction Phase is responsible for about 82.5% or approximately $22.5M. Total project cost incurred to date topped $2.99B, of which the Construction Phase's share is now a little over $2B. The project expenditures continue to pick up and is predicted to rise to approximately $3.11B by March 2022.



Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility for continuously monitoring project status and associated risks.

A Quantitative Risk Assessment workshop was completed in October 2020. The QRA Report was finalized with results documenting a good confidence that ELE will complete within the baseline cost and scheduled Revenue Service Date. The project is now in preparation to update the qualitative risk registers for Q3 2021.

The following are the top project risk and risk areas:

- Civil turnovers to Systems construction
- Interfaces between contracts, agency supplied equipment and third party jurisdictions
- COVID-19 pandemic cost and schedule impacts
- Resolution to Redmond Technology Station Garage's structural elements repairs
- Scope gaps between Construction and Operations as well as readiness for Startup

Contingency Management

East Link project budget was baselined on April 2015 with a total contingency of $795.9M. All major construction contracts have been procured and the total contingency balance stands at $322.31M (previously $313.96M). The current contingency balance is consistent with the project's planned contingency drawdown.

Design Allowance (DA) was established to account for unquantified scope at the time of the cost estimate. DA remains at $1.3M. DA is expected to be fully drawn down at the end of the project.

Allocated Contingency (AC) is used to address risks, complexity and unforeseen conditions during the execution of work, including procurement. This period, AC was balance shows a net increase of approximately $8.35M due to construction and construction support changes.

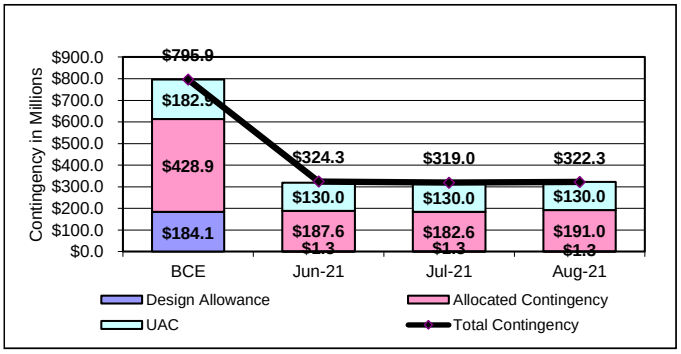
Unallocated Contingency (UAC) is used to address general project-wide cost risks and uncertainties. The UAC balance remains at $130.0M.

Contingency Status

Contingency Type	Baseline		Current Status	
	Amount	% of Total Budget	Amount Remaining	% of Work Remaining
Design Allowance	$184.1	5.0%	$1.3	0.2%
Allocated Contingency	$428.9	11.7%	$191.0	27.7%
Unallocated Contingency	$182.9	5.0%	$130.0	18.9%
Total	**$795.9**	**21.6%**	**$322.3**	**46.8%**

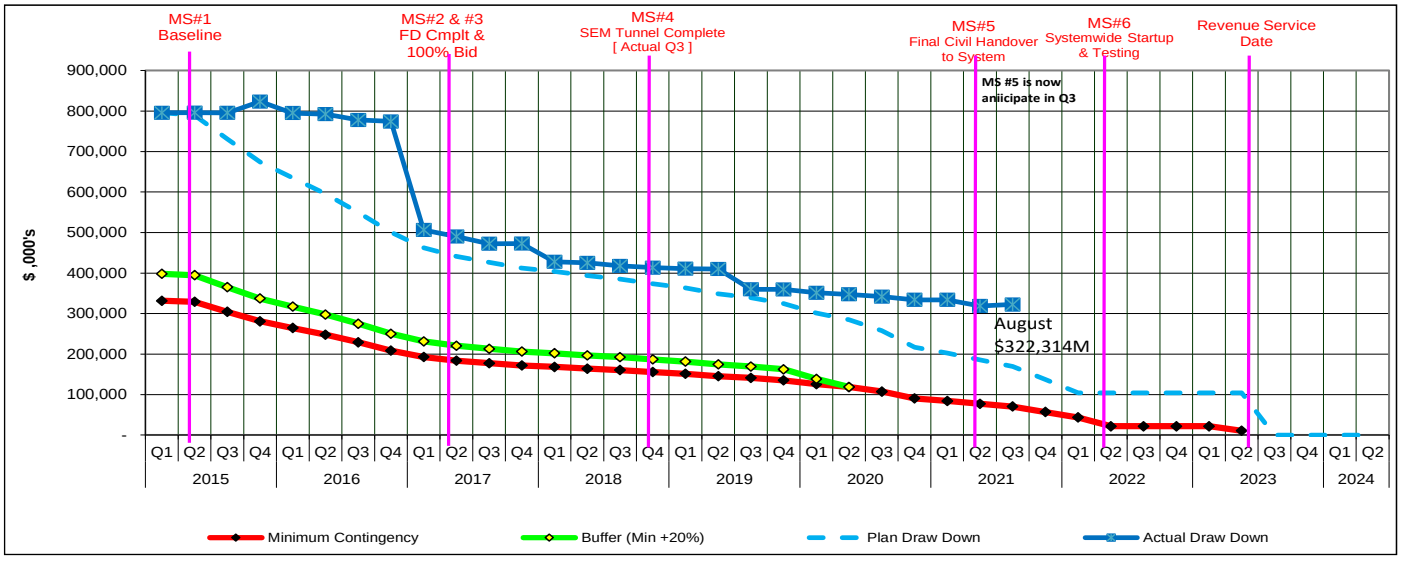
Table figures are shown in millions.

Contingency by Type



Contingency Drawdown

East Link Project's total contingency drawdown continues to trend within plan with an overall contingency balance at approximately at $322.31M (previously $313.96M) and with all major construction contracts procured, remains above the baseline draw down projection and well above both the minimum contingency and the buffered (minimum plus 20%) contingency levels. The contingencies at the end of August represented the monthly net increase about $8.35M due to credit changes and unencumbering of previous commitments of various construction and construction support changes.


MS#1 Baseline
MS#2 & #3 FD Cmplt & 100% Bid
MS#4 SEM Tunnel Complete [Actual Q3]
MS#5 Final Civil Handover to System
MS#6 Systemwide Startup & Testing
Revenue Service Date
MS #5 is now anticipate in Q3
$,000's
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
-
August
$322,314M
Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2
2015 2016 2017 2018 2019 2020 2021 2022 2023 2024
Minimum Contingency
Buffer (Min +20%)
Plan Draw Down
Actual Draw Down

Contingency Drawdown as of August 31, 2021

Project Schedule

The Integrated Master Schedule is presented below.

E130 continued landscaping at Judkins Park Station; Rainier Ave striping and paving; wax tape removal and track plinth grout pad remediation.

E320 continued landscaping, irrigation, and sidewalks at S. Bellevue Station/Garage and along BWSE; installed guideway signage; continued thermite welding of track.

E330 has achieved final acceptance.

E335 continued irrigation and landscaping work at E. Main Station; wire pull at the South Portal Electrical Building; plaza work at Bellevue Downtown Station; finish work and commissioning at Wilburton.

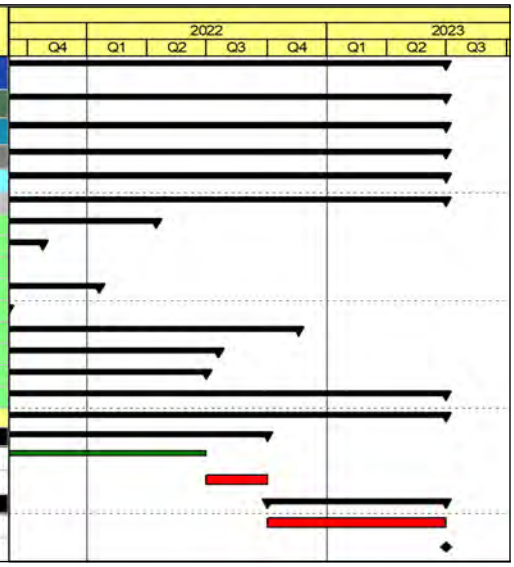
E340 performed testing and punchlist work throughout the alignment; continued installing signage at the station; conducted rail-to-earth testing along embedded track.

E360 continued punchlist and repair work all along the alignment; continued RTS garage crack repair.

E750 continued installation of communications systems at most stations; set OCS poles, and strung messenger wire; set and tested several signal houses; continued local testing in multiple segments.

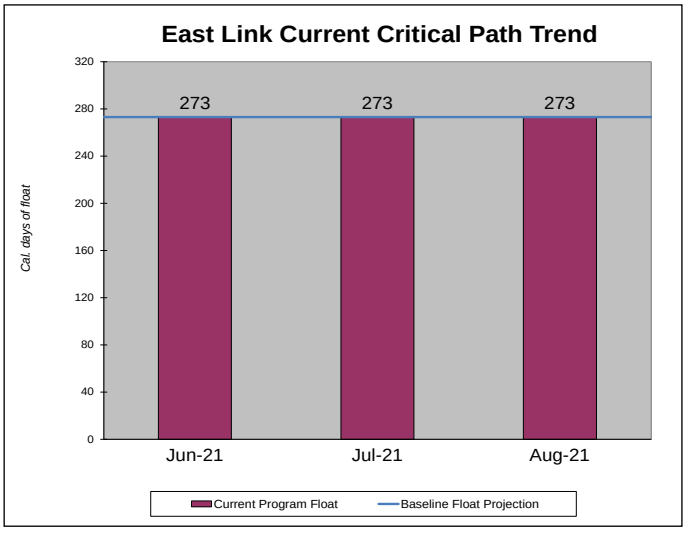
Work is forecast to complete in time to perform pre-revenue simulation as planned and open for Revenue Service by June 2023.

Activity Name	Start	Finish
Sound Transit	18-Jan-15 A	30-Jun-23
Sound Transit 2	18-Jan-15 A	30-Jun-23
East Corridor	18-Jan-15 A	30-Jun-23
LRT Extension - East	18-Jan-15 A	30-Jun-23
East Link	18-Jan-15 A	30-Jun-23
East Link Construction	18-Jan-15 A	30-Jun-23
EL 130 - Seattle to I-90 Overpass (GC/CM)	10-Mar-17 A	15-Apr-22
EL 320 - I-90 Overpass to S. Bellevue (DBB)	05-Dec-16 A	24-Oct-21
EL 330 - Downtown Bellevue Tunnel (DBB)	18-Jan-15 A	12-Oct-20
EL 335 - Downtown Bellevue to Spring District (GC/CM)	24-Apr-17 A	18-Jan-22
EL 340 - Spring District to SR 520 (DBB)	24-Feb-17 A	03-Sep-21
EL 360 - SR 520 to Overlake Transit Center (DB)	13-Jul-16 A	18-Nov-22
EL 750 - Systems	12-Jun-17 A	19-Jul-22
East Link Master Schedule - Construction Interfaces	14-Jun-17 A	30-Jun-22
ELRACT - East Link Rail Activation/System Integration/Project Closeout	20-Aug-21 A	30-Jun-23
East Link Rail Activation/System Integration/Project Closeout	20-Aug-21 A	30-Jun-23
Pre-Revenue Testing & Start Up	20-Aug-21 A	30-Sep-22
East Link System Integration Testing (LOE Summary)	20-Aug-21 A	30-Jun-22
East Link Pre Revenue Operations (3 Mo)	30-Jun-22	30-Sep-22
Revenue Service Window	30-Sep-22	30-Jun-23
East Link Program Float (Baseline 273 Days)	30-Sep-22	30-Jun-23
East Link Revenue Service Date (Baseline 30-Jun-23)		30-Jun-23*



Project Float

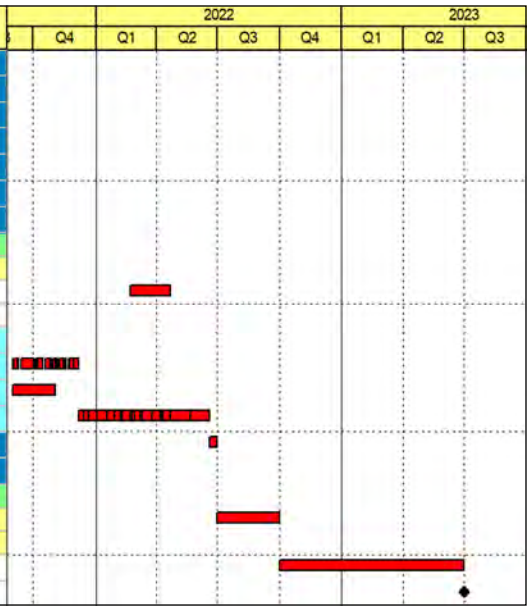
East Link was baselined with 273 days of program float. After some projected delays over the past few months, a change to the E750 Systems contract has resulted in significant acceleration of the construction schedule, and restoration of current projected float use. In the coming months, the post-construction path to revenue service will be refined, which may result in another reduction of float.



Critical Path Analysis

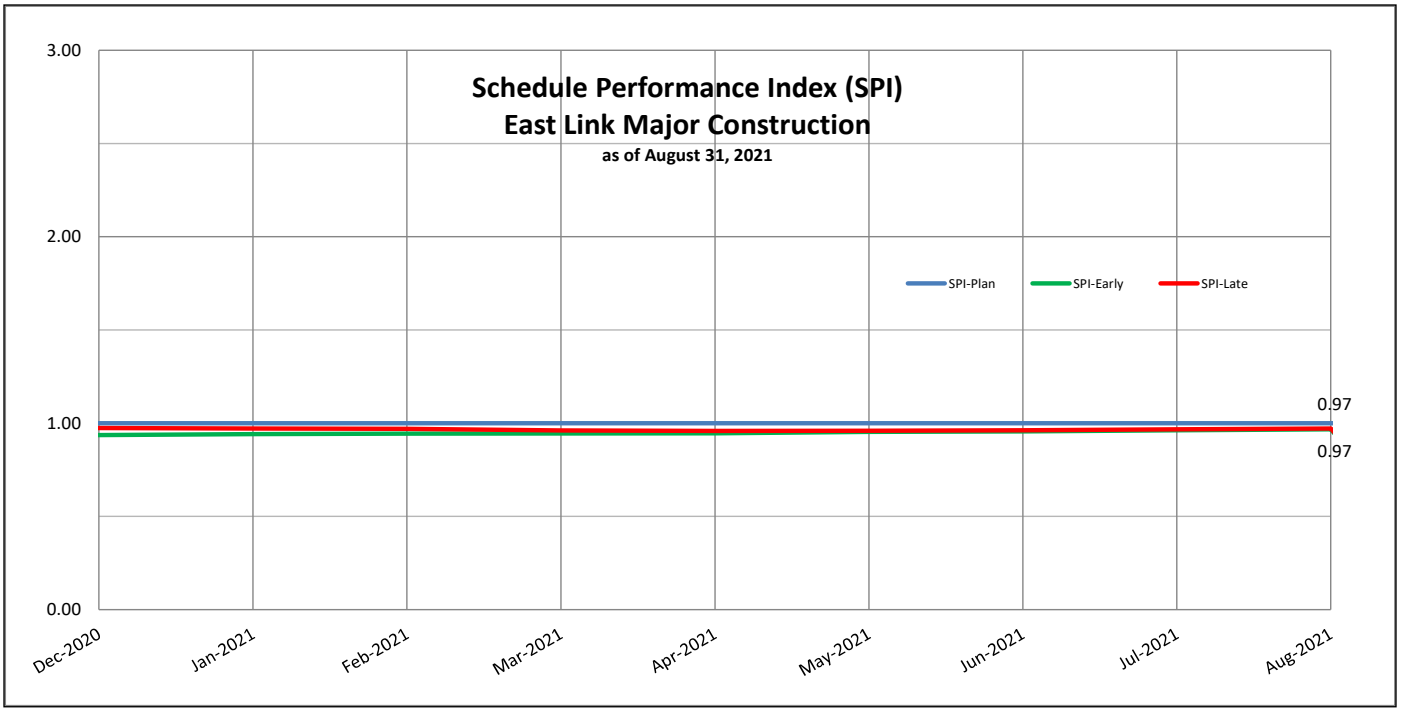
The East Link critical path this month remains entirely within the E750 contract, from OCS and signal installation to testing. East Link civil contracts continue to be closely monitored for potential impacts to the E750 schedule.

Activity Name	Start	Finish
EL 130 - Seattle to I-90 Overpass (GC/CM)		
EL 320 - I-90 Overpass to S. Bellevue (DBB)		
EL 330 - Downtown Bellevue Tunnel (DBB)		
EL 335 - Downtown Bellevue to Spring District (GC/CM)		
EL 340 - Spring District to SR 520 (DBB)		
EL 360 - SR 520 to Overlake Transit Center (DB)		
EL 750 - Systems	01-Dec-18 A	19-Jun-22
E750 Construction	01-Dec-18 A	19-Jun-22
E750 Project	01-Dec-18 A	19-Jun-22
E750 Engineering	21-Feb-22	22-Apr-22
E750 Construction	01-Dec-18 A	19-Jun-22
E750 Milestones	19-Jun-22	19-Jun-22
E750 OCS	27-Apr-21 A	06-Dec-21
E750 Signals	01-Dec-18 A	01-Nov-21
E750 Testing and Commissioning	07-Dec-21	19-Jun-22
East Link Master Schedule - Construction Interfaces	19-Jun-22	30-Jun-22
ELRACT - East Link Rail Activation/System Integration/Project Closeout	20-Aug-21 A	30-Jun-23
East Link Rail Activation/System Integration/Project Closeout	20-Aug-21 A	30-Jun-23
Pre-Revenue Testing & Start Up	20-Aug-21 A	30-Sep-22
Revenue Service Window	30-Sep-22	30-Jun-23
East Link Program Float (Baseline 273 Days)	30-Sep-22	30-Jun-23
East Link Revenue Service Date (Baseline 30-Jun-23)		30-Jun-23*



Schedule Performance Index

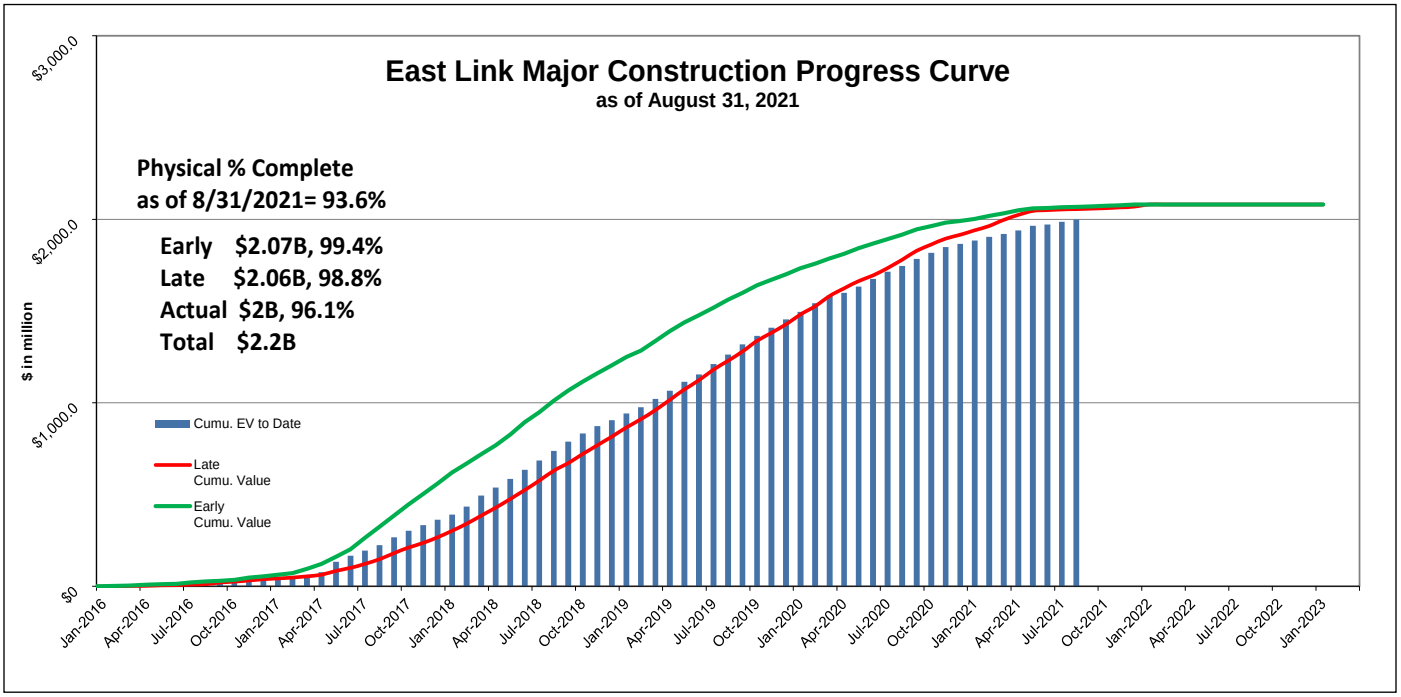
The Schedule Performance Index (SPI) for East Link's Major Construction Packages is at 0.97 (early and late) as contractors work toward final completion past their target finish dates. This number will steadily trend toward 1 in the coming months as work completes.

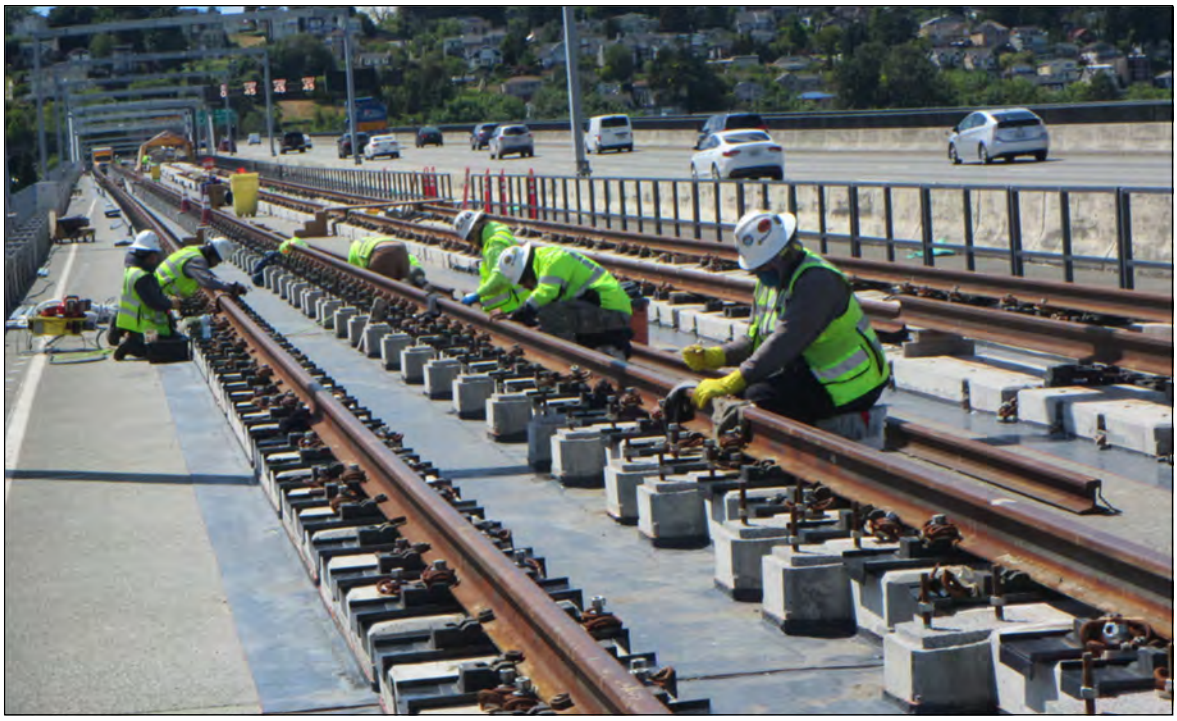


Major Construction Progress Curve

The overall physical percent complete for East Link construction is 93.6%.

The percent complete analysis is based on a weighted measurement among the seven major construction contracts' schedule, duration and cost. The graph below shows the aggregate cost progression for these construction contracts. Performance remains slightly below the late projection. Although progress is likely to continue to trend below the late curve, performance is steady and the project is still anticipated to finish within the original baseline projection.





E130 Seattle to South Bellevue: Removing wax tape along the I-90 east bound track way

Community Engagement

- Ongoing distribution of weekly construction alerts for maintenance of traffic activities for Mercer Island, Bellevue and Redmond. While maintaining proper social distancing, communicated with numerous neighbors about upcoming major traffic changes. August's focus includes but not limiting to I-90 trail closure; preparation of South Bellevue Parking Garage opening; 24 hours work on 112th Ave NE and NE 6th St curb and gutter work; coordination at grade safety outreach plan with Bellevue.
- Ongoing engagement with individual property owners, members of the public and impacted neighbors on a variety of concerns including property acquisition, construction easements, night time noise, traffic, access, maintenance of traffic.

Right-of-Way

The East Link Extension involves the acquisition of a range of property interests including fee acquisitions for stations, guideway, staging areas, support facilities, and tunnel and guideway easements as well as permanent and temporary easements for construction. These acquisitions resulted in owner and tenant residential and commercial relocations. Property acquisition and relocations are mostly complete, with limited processing of relocation claims and coordination of property transfers with the City of Bellevue remaining. The right-of-way program status for this period is summarized in the following table:

East Link Extension Acquisition Status

ACQUISITION				RELOCATION	
Total Acquisitions	**Board Approved**	**Offers Made to date**	**Closings to date**	**Relocations Required**	**Relocations Completed to date**
239	246	239	239	229	229

** All numbers are cumulative totals, except where noted. Number of totals may differ from other reports due to the timing of reporting periods.*

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

The planned FTE monthly average is the monthly annualized average of 12 months; whereas the YTD monthly average only reflects actuals through August of 2021. Consultants utilization, currently, are dependent on the efforts to manage construction. The monthly average is trending over the plan and is predicted to decline and current overage is not indicative of budget overage. That said, longer than anticipated construction duration coupling with COVID-19 remaining a fluid situation, it is hard to predict how the annual plan will unfold accordingly.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	52.8	46.6	(6.2)
Consultants	91.5	158.3	66.8
TOTAL	144.3	204.8	60.6

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
M2021-46	Easements with City of Bellevue as part of the East Link Extension	8/12/21

Construction Safety

Data/ Measure	August 2021	Year to Date	Project to Date
Recordable Injury/Illness Cases	0	5	90
Days Away From Work Cases	0	0	15
Total Days Away From Work	0	0	1,337
First Aid Cases	3	22	291
Reported Near Mishaps	1	11	289
Average Number of Employees on Worksite	425	-	-
Total # of Hours (GC & Subs)	72,896	701,936	7,268,858
OSHA Incident Rates	**Month**	**Year to Date**	**Project to Date**
Recordable Injury Rate	0.00	1.42	2.48
LTI Rate	0.00	0.00	0.41
Recordable National Average	**2.80**		
LTI National Average	**1.10**		
Recordable WA State Average	**5.70**		
LTI WA State Average	**2.00**		

Note: Due to the timing of contractor's reporting periods, the current month's numbers above are a combination of actuals and estimates. All previous months' numbers are reconciled and replaced with actuals.

Major Construction Contract Packages

Below are the major construction contract packages for the project with a brief scope description of each.

R8A Stage 3A – Modification of HOV Ramp between I-90 and Bellevue Way SE. [Design-bid-build].

Status: Completed and Closed.

E130 Seattle to South Bellevue – International District Station (IDS) modification, Retrofit of existing WSDOT structures, I-90 Center Roadway and two light rail stations. [Heavy Civil GC/CM]

Status: See following pages under Contract E130.

E320 South Bellevue – One light rail station and a parking garage at South Bellevue P&R; aerial, at-grade and retained-cut guideway along Bellevue Way SE and 112th Avenue SE. [Design-bid-build]

Status: See following pages under Contract E320.

E330 Downtown Bellevue Tunnel – SEM Tunneling along 110th Ave. NE in Downtown Bellevue. [Design-bid-build]

Status: Substantial Completion on July 13th, 2020. Accepted Issued on November 17th 2020.

E335 Downtown Bellevue to Spring District – Four light rail stations; aerial, at-grade and retained-cut guideway from Downtown Bellevue, over I-405 to 124th Ave. NE. [Heavy Civil GC/CM]

Status: See following pages under Contract E335.

E340 Bel-Red – One light rail station, aerial and at-grade guideway from 124th Ave. NE to NE 20th. [Design-bid-build]

Status: See following pages under Contract E340.

E360 SR520 to Redmond Technology Station – Two light rail stations; aerial and retained-cut guideway along SR-520 in the Overlake area of Bellevue and Redmond. [Design-Build]

Status: See following pages under Contract E360.

E750 Systems – Light rail systems elements, including Traction Power Electrification, Overhead Catenary System, Train Signals and Communication System. Combined with Northgate Link N830. [Heavy Civil GC/CM]

Status: See following pages under Contract E750

E750 Systems: Systems Installation - switches along Surrey Down (left) and Rail Crossing Signal on 132nd (right)

Contract E130 – Seattle to South Bellevue Heavy Civil GC/CM

Current Progress

West Segment: Ongoing track plinth and grout pad remediation, NCR corrective work; progress landscaping at Judkins Park Station; complete Rainier Ave repaving and striping; removal of pedestrian bridge scaffolding

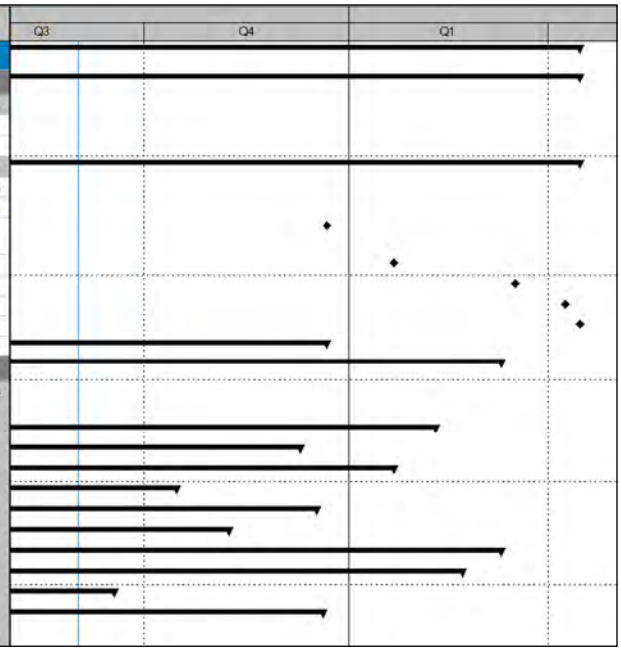
Center Segment: Ongoing wax tape / track plinth / grout pad remediation; continue bridge-wide repolarization

East Segment*:* Ongoing track plinth and grout pad remediation, NCR corrective work

Schedule Summary

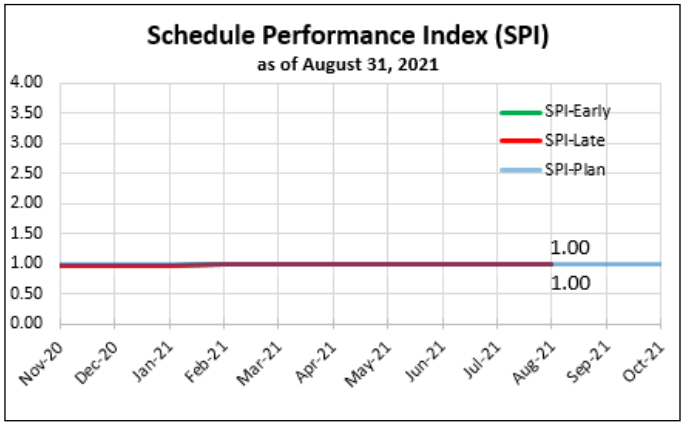
The critical path for this project currently runs through the track repair procedure on the floating bridge. The contractor's August update is presented below. The E750 Systems contractor has been granted access to all areas included under Milestone 1, and coordinated access to remaining work areas is underway.

Activity Name	Start	Finish
E130 Construction	10-Mar-17 A	15-Apr-22
Milestones	10-Mar-17 A	15-Apr-22
Access Milestones	10-Mar-17 A	12-May-17 A
16. Notice to Proceed - Package 1	10-Mar-17 A	
16. Notice To Proceed - Remaining Scope	12-May-17 A	
Major Project Complete Milestones	21-Aug-19 A	15-Apr-22
16. MS#02 - Substantial Completion of IDS Conversion - Reinstate NB Operations (10-Feb-20)		09-Feb-20 A
16. MS#03 - Substantial Completion of IDS Conversion - Reinstate SB Operations (16-Mar-20)		23-Mar-20 A
16. MS#01 - Substantial Completion West Mercer Island Lid to East End of Project (30-Aug-21)		22-Dec-21*
16. MS#01 - Acceptance		21-Jan-22
16. MS#04 - Substantial Completion All Work (24-Sept-21)		17-Mar-22*
16. Post Acceptance		08-Apr-22
16. Acceptance		15-Apr-22
Milestone 1 Interim Dates	21-Aug-19 A	22-Dec-21
Construction	20-Mar-17 A	10-Mar-22
Preliminary Activities	03-Apr-17 A	08-Feb-21 A
Sitework	23-Aug-17 A	13-Jul-20 A
Demolition	20-Jul-17 A	09-Feb-22
Tunnel Modifications	18-Sep-17 A	10-Dec-21
Stations	31-May-17 A	21-Jan-22
OCS Bases/Frames	02-Apr-18 A	15-Oct-21
Civil/Utilities	05-Jul-17 A	17-Dec-21
Electrical	20-Mar-17 A	08-Nov-21
Structures Retrofit	20-Mar-17 A	10-Mar-22
Trackwork	29-Jan-18 A	21-Feb-22
Systems	26-Jun-17 A	17-Sep-21
IDS Modification	16-Jan-19 A	20-Dec-21
Pioneer Square Station Platform Removal	03-Apr-21 A	25-Apr-21 A



Schedule Performance Index

Through August, reported cumulative SPI-Early is 1.00, with SPI-Late also 1.00. This indicates the contractor remains on target with early & late start/finish schedule performance, based on a negotiated revised Milestone 4 date; the current progress update continues to reflect progress impacts due to unresolved commercial issues. Several Contractor delay impacts will be resolved by changes to Milestones 1 & 4 (change order negotiated, pending execution). A Milestone 3 revision is in negotiation. Contract interface coordination with the E750 contractor is ongoing; the E750 contractor continues to perform work along the E130 alignment.



Next Period's Activities

- **West Segment:** Ongoing track plinth and grout pad remediation; continued NCR corrective work; ongoing Judkins Park Station, Mt. Baker Tunnel commissioning activities
- **Center Segment:** Continued wax tape removal / track plinth / grout pad remediation; initial insert repair testing
- **East Segment**: Ongoing track plinth and grout pad remediation; continued NCR corrective work

Closely Monitored Issues

- Activity progress to reach Milestones 1, 3 & 4; resultant impacts to E750
- Direct COVID-19 impacts
- NCR mitigation timeline for plinths, grout pads
- Wax-Tape Removal from Nylon Inserts on floating bridge
- IDS: rail grinding, Milestone 3 resolution

E130 Construction Segments

Cost Summary

Present Financial Status	Amount*
E130 Contractor - Kiewit-Hoffman	
Original Contract Value (*incl. Phase 2 MACC*)	$665,000,000
Change Order Value	$40,287,436
Current Contract Value*	$704,309,273
Total Actual Cost (Incurred to Date)	$679,642,645
Percent Complete	96.64%
Authorized Contingency	$56,660,541
Contingency Drawdown	$40,287,436
Contingency Index	1.4

** Contract Value excludes Betterments*

Crews installing landscaping along Judkins Park Station platform north sound wall

Contract E320 – South Bellevue

Current Progress

I-90 Flyover: Progress guideway signage installation

Bellevue Way SE: Continue landscaping and planting

S. Bellevue Sta./P&R: Advance landscaping, irrigation installation, pour remaining sidewalks and fencing

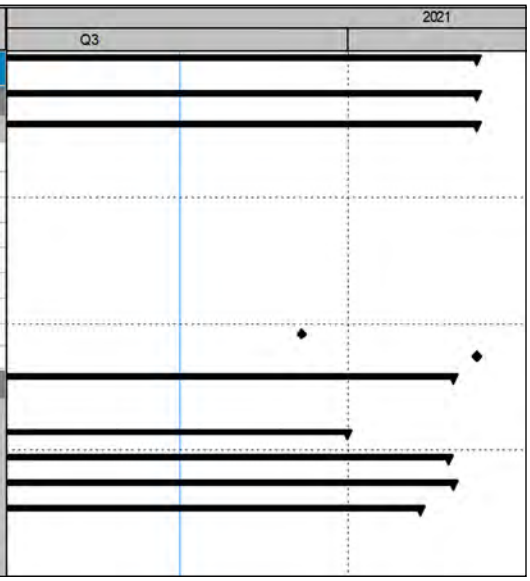
Wye-to-East Main: Continue landscaping & planting activities, including soil cell work, compost placement, irrigation, and topsoil work; installation of fencing along meandering pathway

Track Work: Ongoing track thermite welding; progress pedestrian crossing work

Schedule Summary

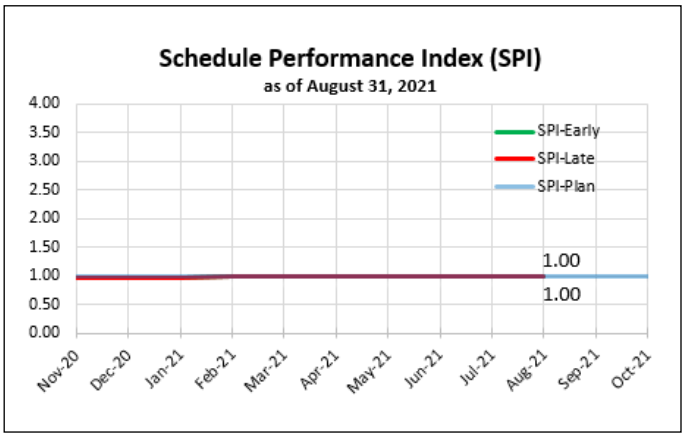
The critical path for this project currently runs through landscaping and project closeout. The contractor's August update is presented below. The contractor has granted station and parking garage access to the E750 systems contractor; coordinated track access is ongoing.

Activity Name	Start	Finish
E320 Construction	05-Dec-16 A	23-Oct-21
Milestones and Summary	05-Dec-16 A	23-Oct-21
Contract Milestones	05-Dec-16 A	23-Oct-21
Limited Notice to Proceed	05-Dec-16 A	
Notice to Proceed	13-Feb-17 A	
Milestone 3A - Clear & Grub Sweyolocken (Start of "Wetland Fill' Work+365D)		21-Dec-18 A
Milestone 1 - (Alternate) Phase B2.1 Not Used		31-May-19 A
Milestone 3B - Clear & Grub Coal Creek		22-Nov-19 A
Milestone 4 - SIDT & SCADA Complete (NTP+1160D)		27-Feb-20 A
Milestone 2 - Final Restoration of Bellevue Way (Start+897D)		11-Sep-20 A
Milestone 5 - Acceptance of South Bellevue Station (NTP+1225D)		22-Sep-21*
Milestone 6 - Required Substantial Completion (NTP+1364D)		23-Oct-21*
Construction-1	21-Apr-17 A	19-Oct-21
Mobilization	21-Apr-17 A	16-Jul-18 A
Area A - I-90 Mainline to Bellevue Interchange - Sta EB405+54 to EB438+20	16-Jun-17 A	30-Sep-21
Area B - Bellevue Way SE, SE 30th St to 112th Ave SE Wye - Sta EB438+20 to EB476+75	30-May-17 A	18-Oct-21
Area C - 112th Ave SE, 112th Ave SE Wye to SE 8th - Sta EB476+75 to EB508+00	13-Jun-17 A	19-Oct-21
Area D - 112th Ave SE to SE 8th St to Main St - Sta 508+00 to EB528+25	22-May-17 A	13-Oct-21
Area E - Coal Creek Stream Enhancement	09-Jul-18 A	22-Nov-19 A
Area F - Sweyolocken Mitigation	23-Apr-18 A	21-Dec-18 A



Schedule Performance Index

At this stage of the project, this contract's SPI measurement has lost it effectiveness as the contract duration is past the planned substantial completion date of November 12, 2020. Remaining work on the contract effectively ranging rework on track issue that requires remediation, landscaping, irrigation, and commissioning to miscellaneous punch list. Project team are diligently monitoring completion and Systems have access to this segment of their work.



Next Period's Activities

- **I-90 Flyover:** Install Guideway signage
- **Bellevue Way SE:** Continue landscaping and planting.
- **S. Bellevue Sta./P&R:** Continue landscaping, install irrigation, pour remaining sidewalks and fencing.
- **Wye-to-East Main:** Continue landscaping, planting and soil cell work; compost, irrigation and topsoil work and install chain fence along meandering pathway.
- **Track Work:** Ongoing distress/ thermite weld track, and pedestrian crossing work.

Closely Monitored Issues

- COVID-19 impacts
- Working adjacent to wetland areas, environmental compliance concerns

Cost Summary

Present Financial Status	Amount
E320 Contractor - Shimmick/Parsons JV.	
Original Contract Value	$319,859,000
Change Order Value	$10,734,176
Current Contract Value**	$330,558,922
Total Actual Cost (Incurred to Date)	$326,013,626
Percent Complete	98.37%
Authorized Contingency	$38,532,000
Contingency Drawdown	$10,734,176
Contingency Index	3.5

***Contract Value excludes betterments and START*

Contract E330 – Downtown Bellevue Tunnel – Completed & Accepted

- E330 Contractor achieved Substantial Completion on July 13th, 2020.
- Sound Transit issued Final Acceptance to contractor on November 17th, 2020.

Cost Summary

Final Financial Status	Amount
E330 Contractor– Guy F Atkinson Construction, LLC.	
Original Contract Value	$121,446,551
Change Order Value	($1,109,096)
Current Contract Value	$120,337,455
Total Actual Cost	$120,337,455
Percent Complete	100%
Authorized Contingency	$13,256,330
Contingency Drawdown	($1,109,096)
Contingency Index	N/A

Contract E335 – Bellevue to Spring District Heavy Civil GC/CM

Current Progress

East Main Station: Continued skim coat walls, install irrigation and irrigation commissioning, spread topsoil and planting. Commenced wayfinding tile and downspouts installation. Continued pull wire and commenced sealing windows at South Portal Electrical Building.

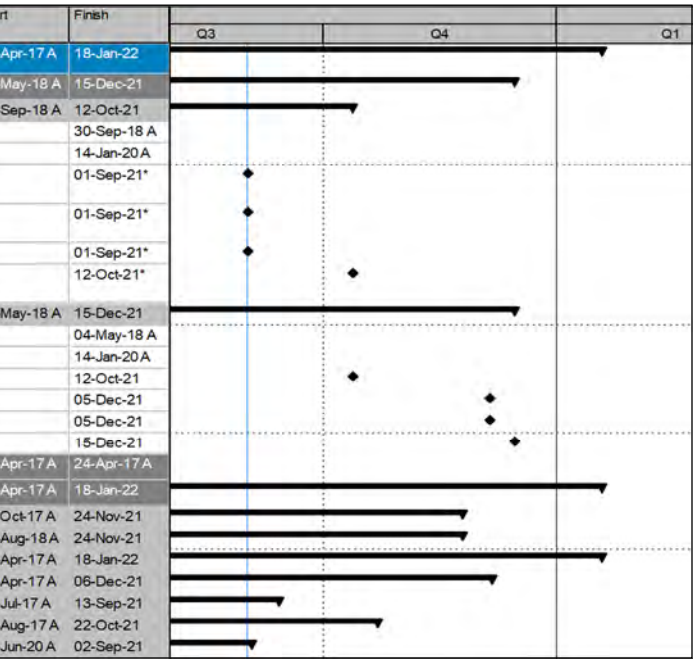
Bellevue Downtown Station (BDS): Completed 6th street sidewalk concrete installation, pour plaza concrete and installation of north platform decorative wind screen glass and elevators surface terracotta. Continued installation metal ceiling frame, handrail and windscreen glasses. Commenced installation of pavers, bike cages steel soil cells and jet fan cables.

Wilburton Station: Continued install metal panels at platform level and light fixtures on plaza level. Continued installation handrails, benches, trash receptacles and stair maintenance troughs. Continued HVAC and electrical commissioning activities.

Schedule Summary

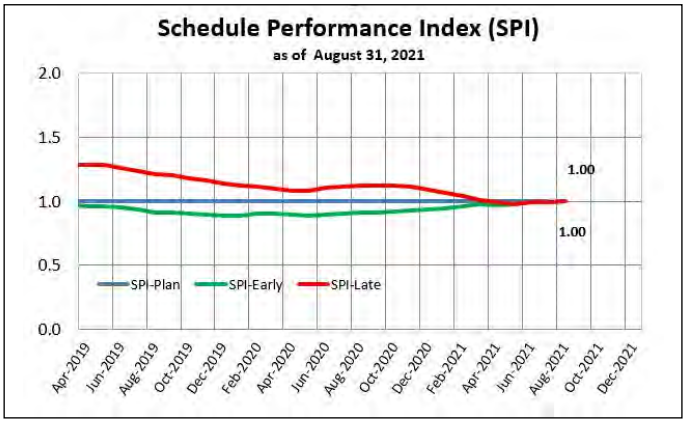
The critical path for this project runs through the bicycle shelter and landscaping at Bellevue Downtown Station. The contractor's August update is presented below. Shared access has been granted to the E750 contractor in most areas.

Activity Name	Start	Finish
E335 Construction	24-Apr-17 A	18-Jan-22
Milestones	04-May-18 A	15-Dec-21
Contract Milestones	30-Sep-18 A	12-Oct-21
Milestone #1 - Complete North Portal Headwall Temporary Shoring		30-Sep-18 A
Milestone #2 - Complete SIDT's for Interface to SCADA		14-Jan-20 A
Milestone #4 - Complete SEM Tunnel Trackwork for Primary Systems Access (16-Jan-21)		01-Sep-21*
Milestone #5 - Complete All Trackway and Stations for Primary Systems Access (16-Mar-21)		01-Sep-21*
Milestone #6 - Substantial Completion of all Work (16-May-21)		01-Sep-21*
Milestone #3 - Complete Trackway and Stations for Primary Systems Access - BTC to EOP (18-Jul-21)		12-Oct-21*
Calculated Milestones	04-May-18 A	15-Dec-21
E335 Achieves Milestone #1		04-May-18 A
E335 Achieves Milestone #2		14-Jan-20 A
E335 Achieves Milestone #3		12-Oct-21
E335 Achieves Milestone #4		05-Dec-21
E335 Achieves Milestone #5		05-Dec-21
E335 Achieves Milestone #6		15-Dec-21
Mobilization	24-Apr-17 A	24-Apr-17 A
Construction	24-Apr-17 A	18-Jan-22
Area 1: E. Main Station to South Portal (531+55 - 538+00)	11-Oct-17 A	24-Nov-21
Area 2: South Portal to SEM Tunnel (538+00 - 562+47.91	24-Aug-18 A	24-Nov-21
Area 3: North Portal to Aerial Guideway (562+50 - 568+45)	24-Apr-17 A	18-Jan-22
Area 4: Aerial Guideway (568+45 - 606+59)	24-Apr-17 A	06-Dec-21
Area 5: Pine Forest to 120th (606+59 - 619+00)	07-Jul-17 A	13-Sep-21
Area 6: 120th - End of Project (619+00 - 634+99)	01-Aug-17 A	22-Oct-21
Testing and Commissioning	01-Jun-20 A	02-Sep-21



Schedule Performance Index

At this stage of the project, this contract's SPI measurement has lost it effectiveness as the contract duration is past the planned substantial completion date of May 16th 2021. Remaining work on the contract are mostly due to delays at BDS and Wilburton stations, in addition, requirement to install inner duct and fiber in the tunnel impact the wiring and termination of the mid-tunnel fans, and the follow-on commissioning. Project team are diligently monitoring completion and Systems have access to this segment of their work.



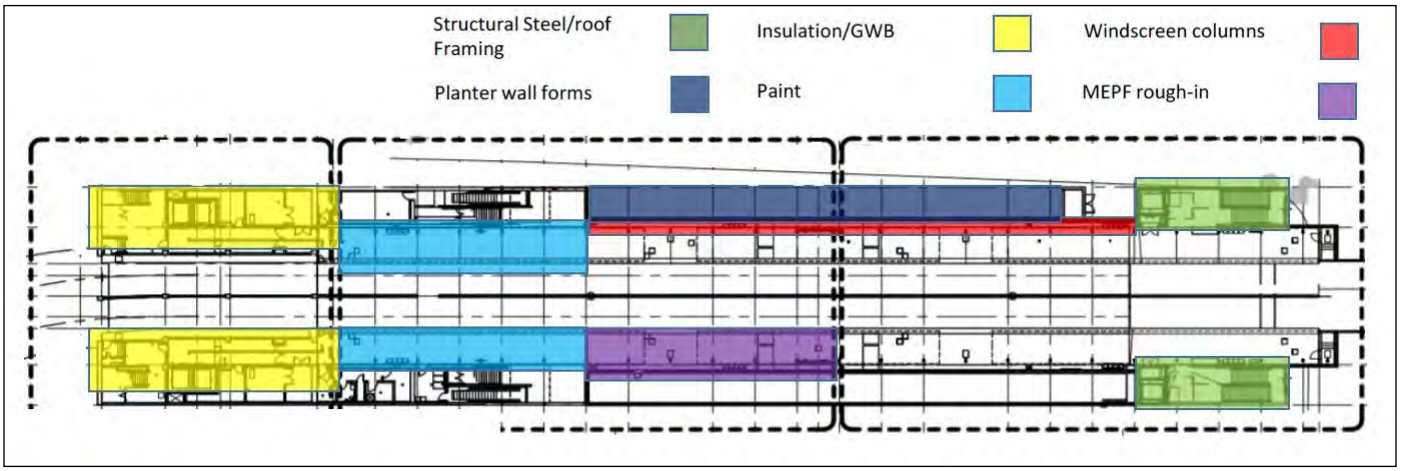
Next Period's Activities

- **East Main Station:** Install bird control, granite water features, planting, spread topsoil and mulch. Continue on electrical commissioning and pull wire.
- **BDS:** Continue place concrete at corner of 6th and 112 street, grout pavers, welding ADA ramp railing and install metal kiosk at surface level.
- **Wilburton Station:** Continue commission activities on HVAC, plumbing, intra-system. Continue install platform guardrails and hand rails.
- **120th Station:** commissioning and punch list item work.

Closely Monitored Issues

- Continued inefficiencies in adhering to COVID-19 safety requirements will continue to impact progress.
- Contractor has confirmed the procurement of switchgear at BDS; Contractor is working with their subcontractors to provide acceptable submittals for the procurement of the transformer, snubber and other associated equipment. The related delays continue to impact the project schedule and continue to impede E750 access.

Bellevue Downtown Station progress map



Cost Summary

Present Financial Status	Amount
E335 Contractor– Stacy & Witbeck/Atkinson Joint Venture (SWA-JV).	
Original Contract Value (includes station scope)	$393,798,210
Change Order Value	$20,768,167
Current Contract Value	$414,566,377
Total Actual Cost (Incurred to Date)	$399,759,957
Percent Complete	98.7%
Authorized Contingency	$29,689,911
Contingency Drawdown	$20,768,167
Contingency Index	1.6

Planting and irrigation at Wilburton plaza

Contract E340 – Bel-Red

Current Progress

130th Ave Station: Poured elastomeric grout at track boxes. Tracked demo to repair rail boot. Preliminary continuity test on west-bound track. Grinding track slab to mitigate ponding.

136th Place NE: Addressed City of Bellevue signals and illumination and private property punch list items.

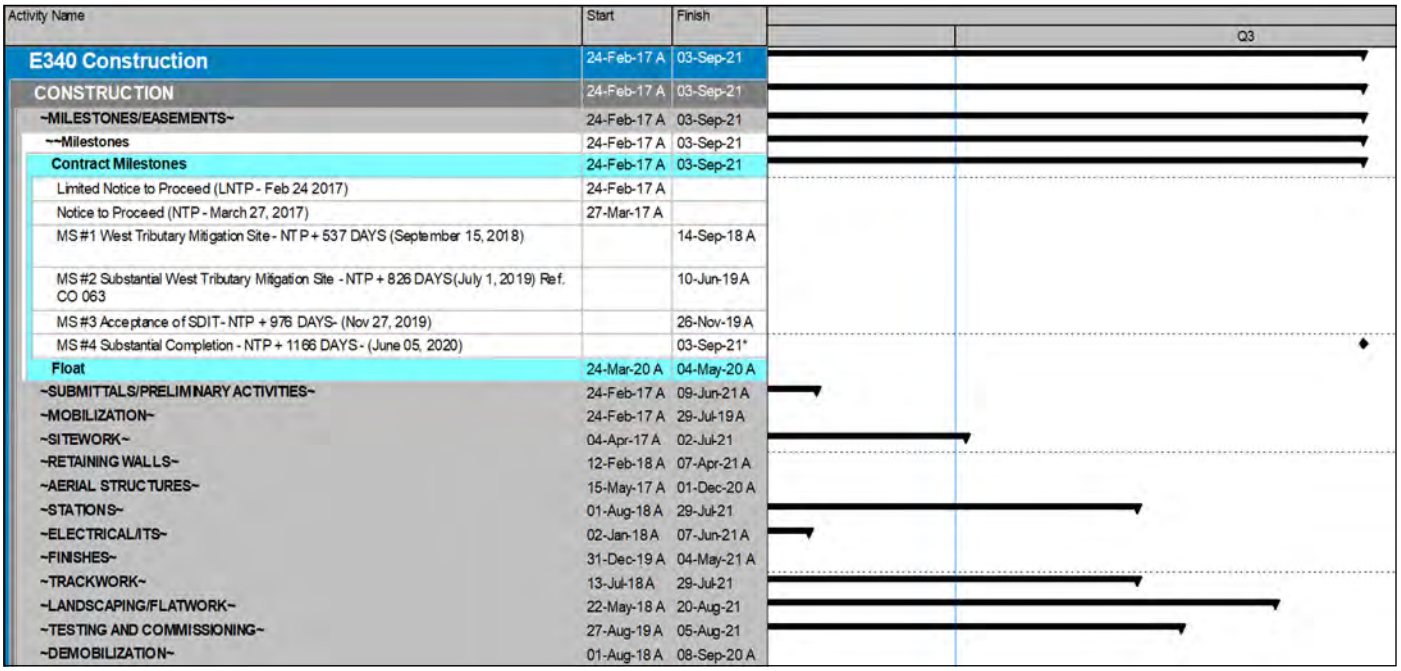
NE Spring Blvd: Conducted rail-to-earth testing along the embedded track. Weeding corridor planters.

System Scope: Installed systems conductors and junction boxes in the 130th Station and along the guideway.

Schedule Summary

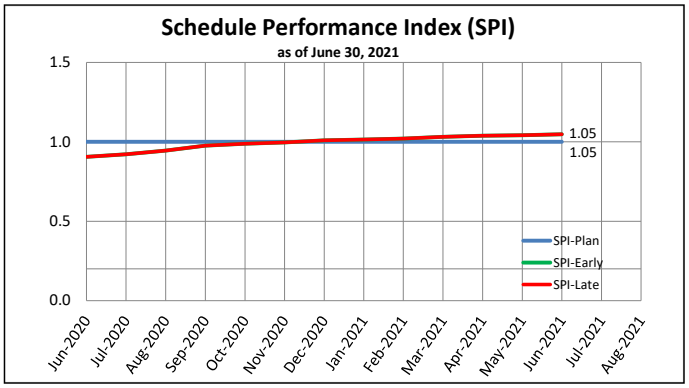
Critical path of this project segment now runs through landscaping and safety railing. The contractor's June update is presented below. A July update has not yet been submitted. ST is working with the contractor to preserve the interface with the E750 systems contractor. E750 Access to 130th Station and most of the guideway has been granted.

Activity Name	Start	Finish
E340 Construction	24-Feb-17 A	03-Sep-21
CONSTRUCTION	24-Feb-17 A	03-Sep-21
~MILESTONES/EASEMENTS~	24-Feb-17 A	03-Sep-21
~~Milestones	24-Feb-17 A	03-Sep-21
Contract Milestones	24-Feb-17 A	03-Sep-21
Limited Notice to Proceed (LNTP - Feb 24 2017)	24-Feb-17 A	
Notice to Proceed (NTP - March 27, 2017)	27-Mar-17 A	
MS #1 West Tributary Mitigation Site - NTP + 537 DAYS (September 15, 2018)		14-Sep-18 A
MS #2 Substantial West Tributary Mitigation Site - NTP + 826 DAYS (July 1, 2019) Ref. CO 063		10-Jun-19 A
MS #3 Acceptance of SDIT - NTP + 976 DAYS - (Nov 27, 2019)		26-Nov-19 A
MS #4 Substantial Completion - NTP + 1166 DAYS - (June 05, 2020)		03-Sep-21*
Float	24-Mar-20 A	04-May-20 A
~SUBMITTALS/PRELIMINARY ACTIVITIES~	24-Feb-17 A	09-Jun-21 A
~MOBILIZATION~	24-Feb-17 A	29-Jul-19 A
~SITEWORK~	04-Apr-17 A	02-Jul-21
~RETAINING WALLS~	12-Feb-18 A	07-Apr-21 A
~AERIAL STRUCTURES~	15-May-17 A	01-Dec-20 A
~STATIONS~	01-Aug-18 A	29-Jul-21
~ELECTRICAL/ITS~	02-Jan-18 A	07-Jun-21 A
~FINISHES~	31-Dec-19 A	04-May-21 A
~TRACKWORK~	13-Jul-18 A	29-Jul-21
~LANDSCAPING/FLATWORK~	22-May-18 A	20-Aug-21
~TESTING AND COMMISSIONING~	27-Aug-19 A	05-Aug-21
~DEMOBILIZATION~	01-Aug-18 A	08-Sep-20 A



Schedule Performance Index

At this stage of the project, this contract's SPI measurement has lost it effectiveness as the contract duration is past the planned substantial completion date of June 05, 2020.The Contractor is behind on their substantial completion date. Remaining work on the contract effectively ranging in close out in nature to buttoning up and commissioning work to miscellaneous punch lists. Project team are diligently monitoring completion and Systems have access to this segment of their work.



Next Period's Activities

130th Ave Station: Conduct rail-to-earth and rail boot repairs. Commission irrigation.

Kelsey Creek Mitigation Area: Install pond railing chain link fence and signs.

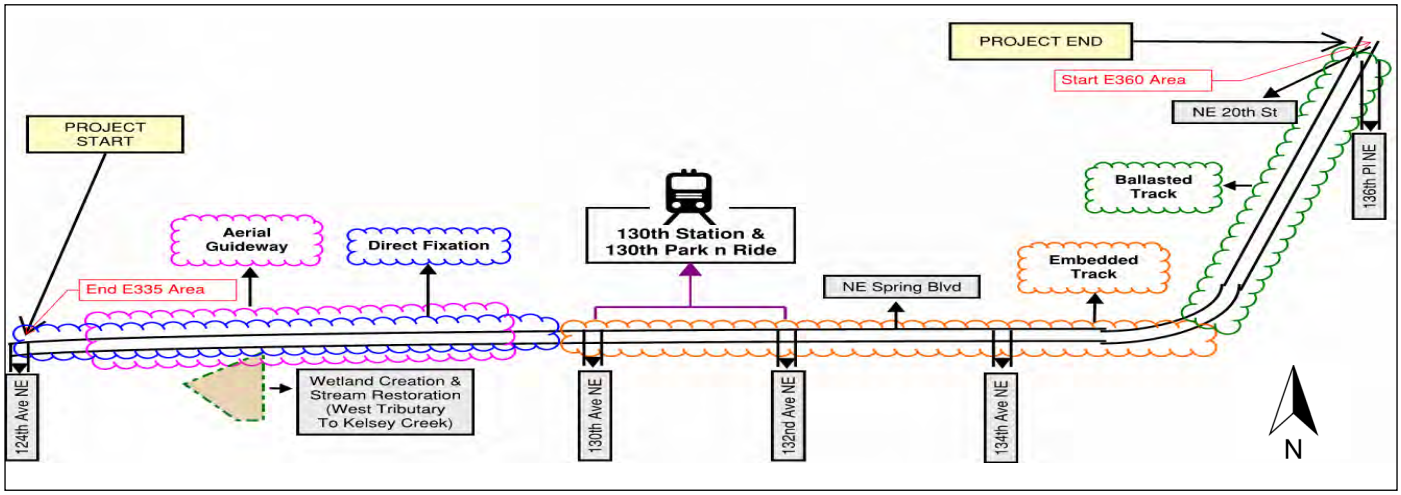
NE Spring Blvd: Commission irrigation. Install pavement parking. Investigate 132nd hydrant flow.

System Scope: Install system conductors and junction boxes in the 130th Station and along the guideway.

Closely Monitored Issues

- There are non-compliant track in various stages of construction. Sound Transit is monitoring contractor's corrective method action plan to bring the rail alignment back within specified tolerances.
- There are several Temporary Construction Easements (TCE) with upcoming expiration dates. The Contractor needs to work out an agreement with the property owners where extensions are not granted and work has not been completed.

E340 Construction Work Areas



Cost Summary

Present Financial Status	Amount
E340 Contractor– Max J Kuney	
Original Contract Value	$93,170,012
Change Order Value	$7,945,425
Current Contract Value	$101,115,437
Total Actual Cost (Incurred to Date)	$97,424,303
Percent Complete	97.6%
Authorized Contingency	$14,317,000
Contingency Drawdown	$7,945,425
Contingency Index	1.76

Flow test performed at 130th Ave fire hydrant facing east.

Contract E360 – SR 520 to Redmond Technology Station (RTS)

Current Progress

Design: Notice of Design Change work includes Sweeper Site Access Road and Redmond Technology Station Garage.

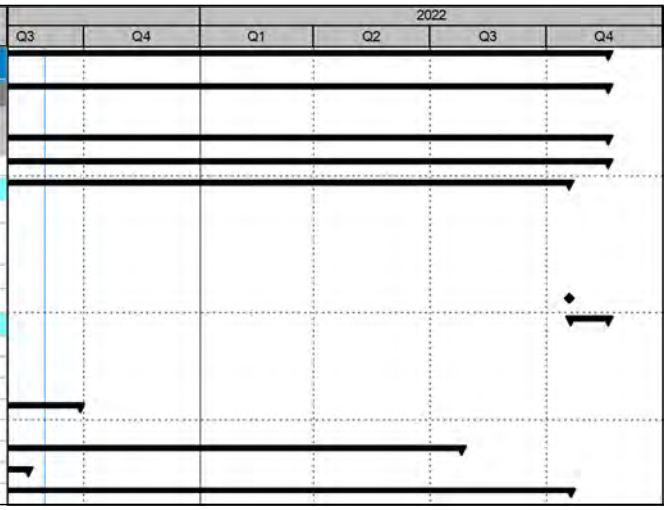
Construction:

- Work Area (WA)#1: Valley Creek vault punchlist work continues. Park Place TOD grading ongoing. Sweeper Site placing concrete collars for structure and landscaping
- WA #2: Ductbank and ballasted track ductbank/rail punchlist work for Aerial Guideway continues.
- WA #3/4: Overlake Village Station punchlist and NCR repair work, site clean-up, grading at transit oriented development site, and PSE cabinet bollards installation.
- WA #6: Redmond Technology Station punchlist and NCR repair work. Garage storm installation, footings and column rebar, P8/P11/P13 footings concrete placement.
- WA #7: OVS Ped Bridge paperclip stairs sandblasting, handrails adjusted on bridge and stairs, stairs concrete placement and finish work.

Schedule Summary

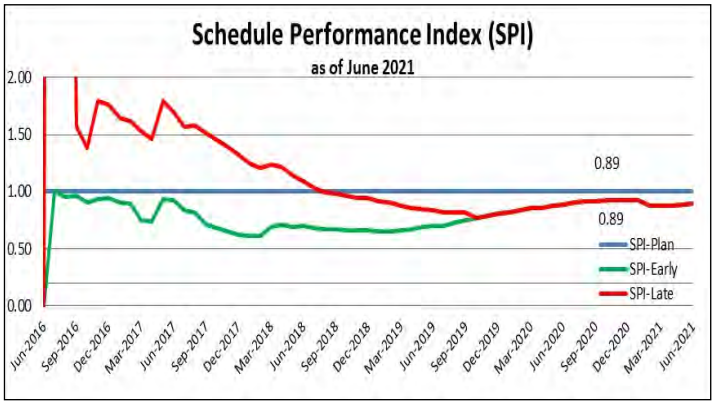
The contractor's August update is presented below. The critical path currently runs through repair work in the RTS garage. The E750 contractor now has access to all work areas.

Activity Name	Start	Finish
E360 Construction	13-Jul-16 A	18-Nov-22
Base Contract	13-Jul-16 A	18-Nov-22
Design	13-Jul-16 A	11-May-21 A
Construction	13-Jul-16 A	18-Nov-22
General	13-Jul-16 A	18-Nov-22
Project Milestones	13-Jul-16 A	19-Oct-22
Notice to Proceed	13-Jul-16 A	
Civil/Systems 100% Design Submittal (NTP+300d) (09-May-2017)		10-Apr-17 A
Milestone 3A for E750 Work (03-Feb-2020)		06-Mar-20 A
Milestone 3B Substantial Completion (31-Jul-2020)		19-Oct-22*
Procurement	20-Oct-22	18-Nov-22
WA #1 - Track Slab Guideway	22-May-17 A	08-Dec-20 A
WA #2 - Aerial Guideway	01-Jun-17 A	20-Nov-20 A
WA #3 - Ballasted Guideway Block #1	01-May-17 A	29-Sep-20 A
WA #4 - Overlake Village Station	14-Jul-16 A	28-Sep-21
WA #5 - Ballasted Guideway Block #2	15-Aug-17 A	23-Jul-21 A
WA #6 - Overlake Transit Center	01-May-17 A	26-Jul-22
WA #7 - OVS Pedestrian Bridge	09-Jul-18 A	18-Aug-21 A
WA #8 - OTC Pedestrian Bridge	10-Aug-20 A	20-Oct-22



Schedule Performance Index

At this stage of the project, this contract's SPI measurement has lost its effectiveness as the contract duration is past the planned substantial completion date of July 20, 2020. The significant lagging in the SPI is primarily due to the an impasse on commercial resolution of a deleted RTS Pedestrian Bridge work that is still part of the EV calculus. Also, the Substantial Completion achievement has been held back due to the necessity of the Contractor to partial rebuilt of the RTS Garage. Remaining work on the contracted work ranges commissioning to miscellaneous punch list. Project team are diligently monitoring completion and Systems have access to this segment of their work.



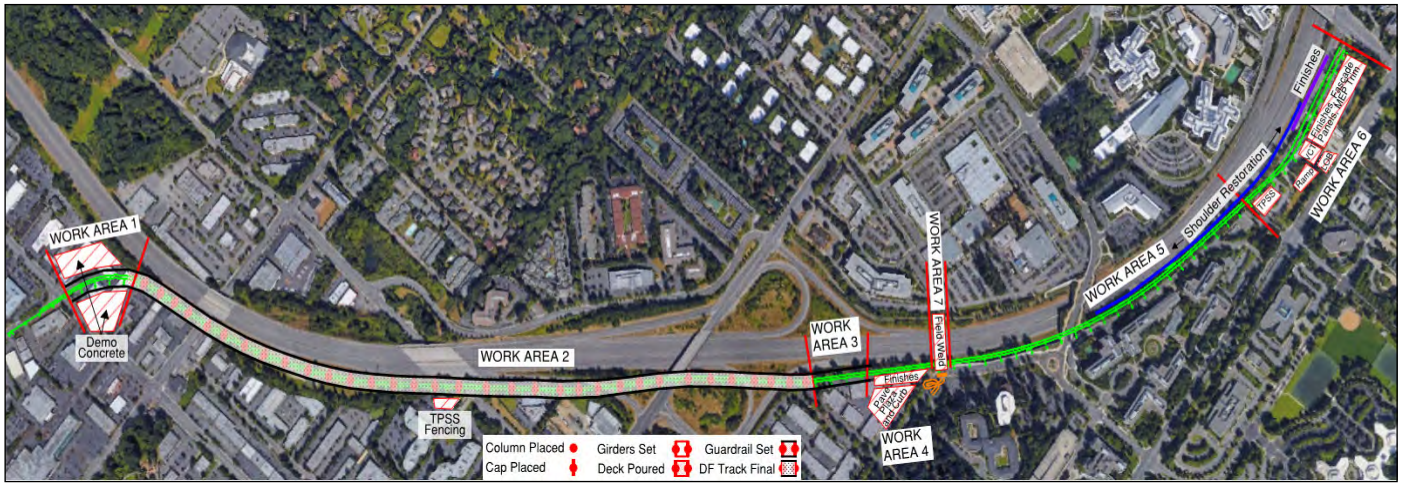
Next Period's Activities

- **WA #1:** Park Place grading
- **WA #2:** Aerial Guideway punch list work continues.
- **WA #3/4:** Punch list work/NCR Repair Work.
- **WA #5:** All major construction work complete.
- **WA #6:** Punch list items. RTS Garage Repair Work.
- **WA #7:** Pedestrian Bridge stair finishes.

Closely Monitored Issues

- Commercial issues for RTS Pedestrian Bridge, City of Redmond CDF Trench Backfill.
- Schedule delays for Building Management Systems E340/E360 Interface, Jan & Feb weather events.
- RTS Garage Repair.
- Milestone 3A and 3B delays.
- COVID Impacts.

E360 Construction Work Areas



Cost Summary

Present Financial Status	Amount
E360 Contractor— Kiewit-Hoffman	
Original Contract Value	$225,336,088
Change Order Value	$9,742,989
Current Contract Value	$235,079,077
Total Actual Cost (Incurred to Date)	$214,981,211
Percent Complete	94.94%
Authorized Contingency	$22,533,609
Contingency Drawdown	$9,742,989
Contingency Index	2.2

Excludes Betterment

WA 6— RTS Garage P11/P13 column rebar cage set

Contract E750 – Systems Heavy Civil GC/CM

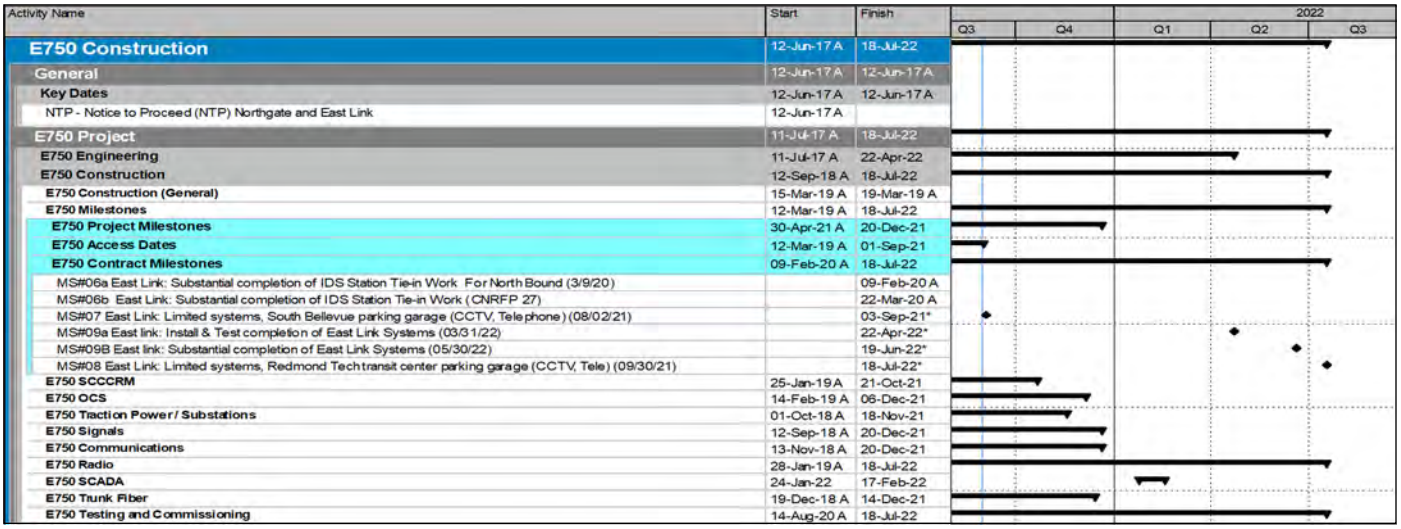
Current Progress

The E750 Contractor, Mass Electric Construction Co. (MEC), continued to prosecute the work as follows:

- Continue development and reviews of engineering submittals covering all disciplines: Traction Power Substations (TPSS), Overhead Catenary Systems (OCS), Train Control Signal Systems and Communications.
- Ongoing coordination meetings for interface and access points for respective contracts.
- Installed radio equipment, communication equipment, telephones, VMS, and cable at E130 and E360 civil segment.
- Performed FAT testing on Signal House and cable pulling at E130 and E360 civil segments.
- Installed cantilevers and OCR rail at E130 civil segment. Installed wiring at E360 civil segment.
- Installed cable, devices and conduit at E130 and E360 civil segment.

Schedule Summary

The contractor's August update is presented below. The critical path for this project is driven by OCS and signal installation. The contractor continues to experience delays in access to work areas, but negotiations are nearly finalized for acceleration to achieve substantial completion in time to meet Sound Transit's post-construction schedule.

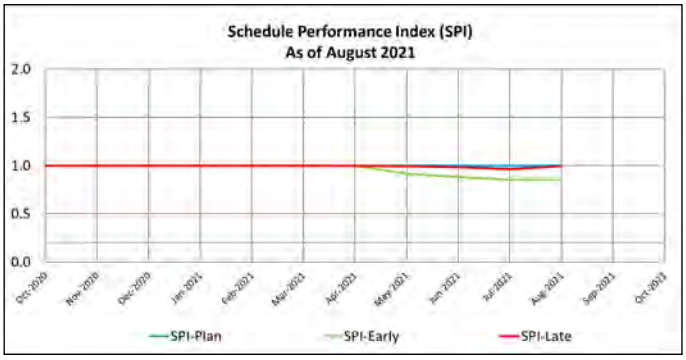


Activity Name	Start	Finish
E750 Construction	12-Jun-17 A	18-Jul-22
General	12-Jun-17 A	12-Jun-17 A
Key Dates	12-Jun-17 A	12-Jun-17 A
NTP - Notice to Proceed (NTP) Northgate and East Link	12-Jun-17 A	
E750 Project	11-Jul-17 A	18-Jul-22
E750 Engineering	11-Jul-17 A	22-Apr-22
E750 Construction	12-Sep-18 A	18-Jul-22
E750 Construction (General)	15-Mar-19 A	19-Mar-19 A
E750 Milestones	12-Mar-19 A	18-Jul-22
E750 Project Milestones	30-Apr-21 A	20-Dec-21
E750 Access Dates	12-Mar-19 A	01-Sep-21
E750 Contract Milestones	09-Feb-20 A	18-Jul-22
MS#06a East Link: Substantial completion of IDS Station Tie-in Work For North Bound (3/9/20)		09-Feb-20 A
MS#06b East Link: Substantial completion of IDS Station Tie-in Work (CNRFP 27)		22-Mar-20 A
MS#07 East Link: Limited systems, South Bellevue parking garage (CCTV, Telephone) (08/02/21)		03-Sep-21*
MS#09a East link: Install & Test completion of East Link Systems (03/31/22)		22-Apr-22*
MS#09B East link: Substantial completion of East Link Systems (05/30/22)		19-Jun-22*
MS#08 East Link: Limited systems, Redmond Techtransit center parking garage (CCTV, Tele) (09/30/21)		18-Jul-22*
E750 SCCCRM	25-Jan-19 A	21-Oct-21
E750 OCS	14-Feb-19 A	06-Dec-21
E750 Traction Power / Substations	01-Oct-18 A	18-Nov-21
E750 Signals	12-Sep-18 A	20-Dec-21
E750 Communications	13-Nov-18 A	20-Dec-21
E750 Radio	28-Jan-19 A	18-Jul-22
E750 SCADA	24-Jan-22	17-Feb-22
E750 Trunk Fiber	19-Dec-18 A	14-Dec-21
E750 Testing and Commissioning	14-Aug-20 A	18-Jul-22

Schedule Performance Index

Performance is for August 2021. The SPI-Early is 0.85 and SPI-Late is 0.99. The SPI index indicates the contractor is behind early planned work and is starting to somewhat slip on the late plans compared to the baseline plans.

The lagging is due to challenges in expected access to civil segments, especially with E130 and access to the floating bridge as well as the contractor's own delays in procuring long-lead items. The ELE team continues to monitor and is evaluating various mitigation option should the late plans continue to slip.



Next Period's Activities

- Continue development and reviews of engineering submittals covering all disciplines: TPSS, OCS, Train Control Signal Systems and Communications.
- Ongoing meetings between systems and civil contractors for interface and access points for respective contracts.
- Ongoing installation of feeder cables for energization and local testing.
- Ongoing installation of OCS cabling and pole installation throughout the alignment.
- Ongoing installation of radio equipment and communication equipment throughout the alignment.

Closely Monitored Issues

- Monitoring conduit handover from civil to systems contractor; mitigation steps have been taken to survey all conduits and to work closely with the civil contractors to rectify the situation.
- Civil contractors are currently reporting some form of delay or partial completion on the System Access Dates.
- Contractor's labor ramp up is insufficient to meet the planned construction activities. The planned to actual labor ramp up is being monitored.
- COVID-19 impacts continue to be fluid and is being monitored.

Cost Summary

Present Financial Status	Amount
E750 Contractor - Mass Electric Construction Co.	
Original Contract Value	$255,768,128
Change Order Value	$(3,315,064)
Current Contract Value	$252,453,063
Total Actual Cost (Incurred to Date)	$168,444,228
Percent Complete	70%
Authorized Contingency	$12,788,406
Contingency Drawdown	$(3,315,064)
Contingency Index	-2.64

**The N830 and E750 Systems is a joint procurement. The Cost Summary table above represents E750 Systems only.*

Regulating OCS Cable along E340 at grade segment

Project Summary

Scope

Limits The Everett Link Extension consists of 16.3 miles of light rail from Lynnwood Transit Center to Everett Station.

Alignment The project extends Link service north from Lynnwood City Center to the SW Everett Industrial Center, SR 526/ Evergreen Way, and Everett Station.

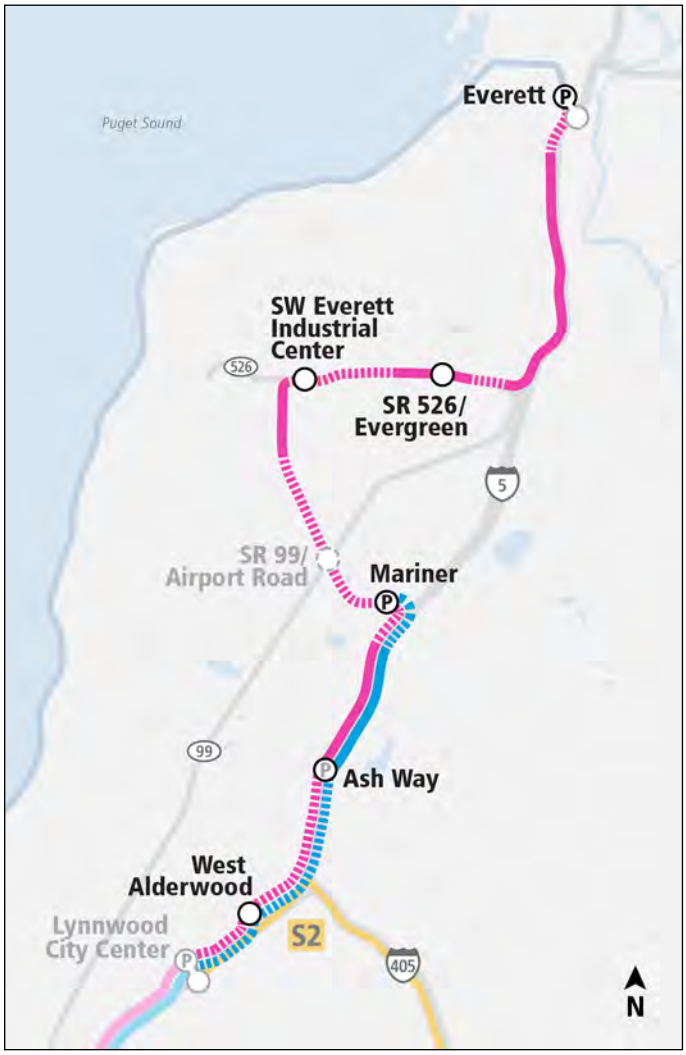
Stations The project includes six new stations at West Alderwood Mall, Ash Way, 128th / Mariner, Southwest Everett Industrial Center, SR 526/Evergreen and Everett Station. The project also includes one provisional station, at SR 99/Airport Road.

Systems Signals, track electrification, SCADA communication, Operations and Maintenance Facility North (OMF North)

Phase Planning

Budget $185 Million (Project Development—Phase 1 Alternatives Development)

Schedule Target Dates:
SW Everett Industrial Station, 2037
Everett Station, 2037
Parking at Mariner & Everett, 2046



Map of Everett Link Extension

Key Project Activities

- Continued monthly meetings with FTA.
- Coordinated with partner agencies including City of Lynnwood, City of Everett, Snohomish County, Community Transit, Puget Sound Regional Council and WSDOT regarding Alternatives Development process.
- Coordinated with Snohomish County Public Utility District to provide a project update.
- Per the ST Board Realignment Decision this project has been placed on an affordable schedule with an anticipated 1 year delay in open service to SW Everett Industrial Center and an anticipated 5 year delay in open service to Everett Station. Please see the Executive Summary article on the Board Realignment decision for further details.

Project Cost Summary

The project cost is summarized below in two cost categories. The first table summarizes costs in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The second table summarizes costs in accordance with the FTA's Standard Cost Categories (SCC) format. The figures in both tables are shown in millions.

The current Authorized Project Allocation is for completion of preliminary engineering. The figures in the table are shown in millions. In August 2021, $0.61M was incurred. The major project expenditures were for administration and preliminary engineering.

Cost Summary by Phase

Project Phase	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$34.2	$2.5	$2.3	$34.2	$0.0
Preliminary Engineering	$125.5	$14.9	$4.7	$125.5	$0.0
Final Design	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Services	$0.0	$0.0	$0.0	$0.0	$0.0
3rd Party Agreements	$13.2	$0.3	$0.1	$13.2	$0.0
Construction	$1.0	$0.6	$0.6	$1.0	$0.0
Light Rail Vehicles	$0.0	$0.0	$0.0	$0.0	$0.0
ROW	$11.1	$0.3	$0.1	$11.1	$0.0
Total	**$185.0**	**$18.6**	**$7.8**	**$185.0**	**$0.0**

Cost Summary by SCC

SCC Element	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
10 Guideway & Track	$0.0	$0.0	$0.0	$0.0	$0.0
20 Stations	$0.0	$0.0	$0.0	$0.0	$0.0
30 Support Facilities	$0.0	$0.0	$0.0	$0.0	$0.0
40 Sitework & Special Conditions	$1.0	$0.6	$0.6	$1.0	$0.0
50 Systems	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Subtotal (10 - 50)	**$1.0**	**$0.6**	**$0.6**	**$1.0**	**$0.0**
60 Row, Land	$10.0	$0.3	$0.1	$10.0	$0.0
80 Professional Services	$157.9	$17.7	$7.1	$157.9	$0.0
90 Unallocated Contingency	$16.1	$0.0	$0.0	$16.1	$0.0
Total (10 - 90)	**$185.0**	**$18.6**	**$7.8**	**$185.0**	**$0.0**

Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility to continuously monitor project status and associated risks.

The most recent Quarterly Risk Review Workshop was held in June 2021. The following are the top project wide risks:

- ST3 estimate did not account for all potential capital component and programming needs.
- Unknown engineering challenges over lengthy and varied geography.
- Limitations on partner capacity may affect schedule.
- Potential changes (e.g. additional site area) for OMF North may result in schedule and/or cost changes.
- Balancing potential programming needs/requests with system-wide needs.
- Site selection for OMF North and consensus with partners may be challenging.

Project Schedule

The Board of Directors announced their realignment decision this month. A target date for the extension to SW Everett Industrial Station has been set for 2037. The extension to Everett Station has a target date of 2037. Parking at Mariner and Everett has a target of for 2046. ST is currently making schedule adjustments in accordance with this direction, a schedule graphic will be provided in a future update.

Community Engagement

- Presentation to NAACP Snohomish County
- Community conversation with Communities of Color Coalition (C3).
- Continued coordination with partner agencies including City of Lynnwood, City of Everett, Snohomish County and Community Transit.

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

Variance between planned and actual FTE average is expected to close as the project work for 2021 occurs.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	18.5	9.5	(9.0)
Consultants	34.0	17.3	(16.7)
TOTAL	52.5	26.8	(25.7)

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
Resolution No. R2021-05	Established a flexible framework to implement the ST2 and ST3 plans that (1) allows project work to proceed right away within the confines of an affordable financial plan; (2) creates opportunities for improved program schedules through project cost reviews, scope changes, additional revenue, and improved economics; and (3) adds an annual Board program review of updated revenue and costs projects to allow the Board to re-visit the realigned capital plan assumptions based on shifts in financial capacity and opportunities to advance projects.	8/5/2021

Project Summary

Scope

Limits The Federal Way Link Extension (FWLE) adds approximately 7.8 miles of light rail from the Angle Lake Station in the City of SeaTac to the Federal Way City Center.

Alignment The extension generally parallels SR 99 and I-5 freeway.

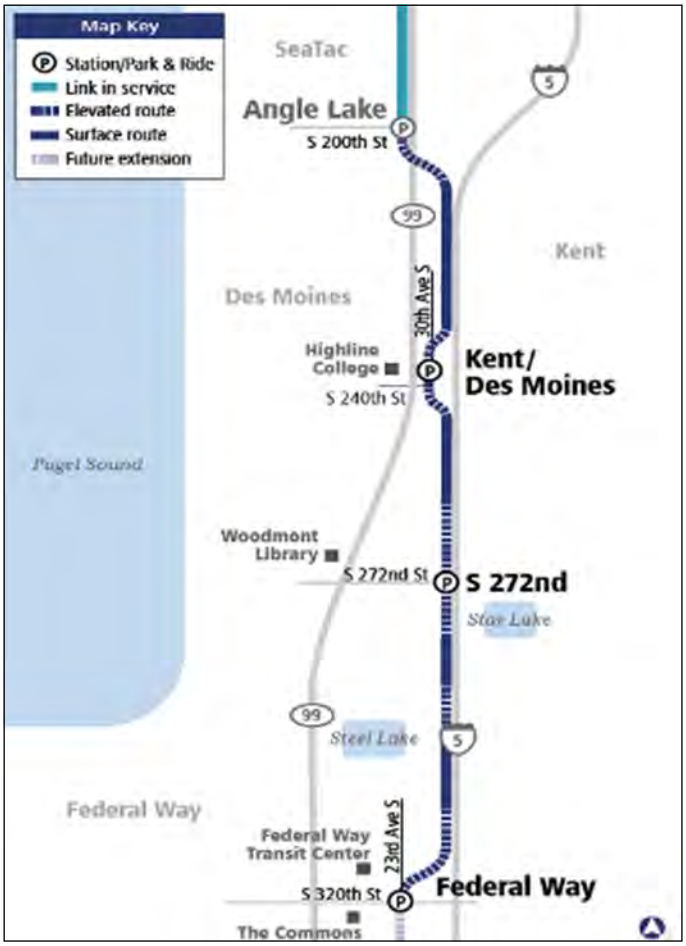
Stations Station and garages at Kent/Des Moines, South 272nd Star Lake Park-and-Ride and the Federal Way Transit Center

Systems Signals, traction power, and communications (SCADA)

Phase Final Design/Construction

Budget $2.451 Billion (ST Baseline Sep 2018)

Schedule Revenue Service: December 2024



Map of Federal Way Link Extension.

Key Project Activities

- F200 progress detail highlights are reflected on last two pages of FWLE section.
- DB Contractor and Sound Transit are working together on recommended solution to accommodate the liquefaction zone at Structure C.
- Sound Transit and WSDOT are partnering to expedite an amendment to the existing TCAL for Structure C to facilitate a construction solution. This amendment is a high priority for Sound Transit and FWLE to ensure the project schedule is not impacted.
- Sound Transit and the Contractor are working on potential modifications to environmental permits to allow construction for the solution to the liquefaction area at Structure C.
- Advanced Utility Relocation work by PSE is underway; the first of three distribution lines at 221st was bored under I-5 last week.
- Project team continued coordinating utility relocations that are necessary to avoid conflicts with Kiewit's drilled shaft work.
- Quantitative Risk Assessment final report under review by FWLE management and anticipated to be finalized next period.

Project Cost Summary

The project cost is summarized below in two cost categories. The first table summarizes costs in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The second table summarizes costs in accordance with the FTA's Standard Cost Categories (SCC) format. The figures in both tables are shown in millions.

This period approximately $29M was incurred this period of which $2M incurred was for Right-of-Way; $2M incurred for Construction Services; $23M for Construction phase comprised mainly of $22M for F200 Design Build construction contract and $1M for Utility Relocation by Others. Remaining major expenditures reside in Preliminary Engineering, Third Party and Administration. Overall the project Estimate at Completion continues to reflect $2.45B.

Cost Summary by Phase

Project Phase	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$96.5	$96.5	$34.3	$34.2	$96.5	$0.0
Preliminary Engineering	$46.5	$49.0	$45.5	$45.1	$49.0	$0.0
Final Design	$3.1	$3.1	$1.3	$1.1	$3.1	$0.0
Construction Services	$107.0	$107.0	$97.2	$42.1	$107.0	$0.0
3rd Party Agreements	$27.7	$27.7	$24.9	$12.0	$27.7	($0.0)
Construction	$1,831.9	$1,829.4	$1,396.0	$528.7	$1,829.4	$0.0
ROW	$338.8	$338.8	$208.9	$206.9	$338.8	$0.0
Total	**$2,451.5**	**$2,451.5**	**$1,808.1**	**$870.1**	**$2,451.5**	**$0.0**

Cost Summary by SCC

SCC Element	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
10 Guideway & Track	$523.0	$451.1	$393.5	$127.4	$513.4	($62.4)
20 Stations	$318.9	$297.7	$295.2	$86.1	$333.7	($36.0)
30 Support Facilities	$5.3	$11.8	$11.5	$3.7	$5.1	$6.7
40 Sitework & Special Conditions	$558.4	$489.5	$466.6	$175.8	$649.0	($57.5)
50 Systems	$153.8	$170.4	$115.5	$37.5	$150.8	$19.6
Construction Subtotal (10 - 50)	**$1,559.4**	**$1,420.4**	**$1,282.2**	**$430.6**	**$1,651.9**	**($129.5)**
60 Row, Land	$341.6	$338.8	$208.9	$206.9	$338.8	$0.0
70 Vehicles	$1.8	$1.8	$0.0	$0.0	$1.8	$0.0
80 Professional Services	$370.7	$514.4	$317.1	$232.5	$294.1	$120.6
90 Unallocated Contingency	$178.1	$176.3	$0.0	$0.0	$165.1	$8.9
Total (10 - 90)	**$2,451.5**	**$2,451.5**	**$1,808.1**	**$870.1**	**$2,451.5**	**$0.0**

Note: The tables above represent the Board-authorized FWLE project budget. Vehicles, P65 contingency, and finance charges included in the FTA FFGA budget of $3.1B are not shown.

Contingency Management

The Federal Way Link Extension project budget was baselined in September 2018 with a total contingency of $549.9M. The current contingency balance is $425.7M.

Design Allowance (DA) has been used and no longer reported.

Allocated Contingency (AC) is used to address risks, complexity and unforeseen conditions during the execution of work, including procurement. During this period the AC remains unchanged.

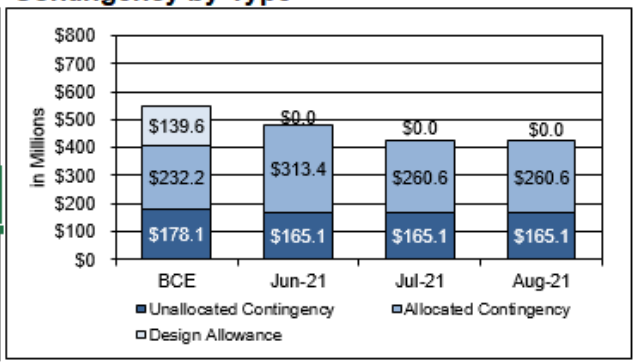
Unallocated Contingency (UAC) is used to address general project-wide cost risks and uncertainties. During this period the UAC has remained unchanged.

Contingency Status (Monthly)

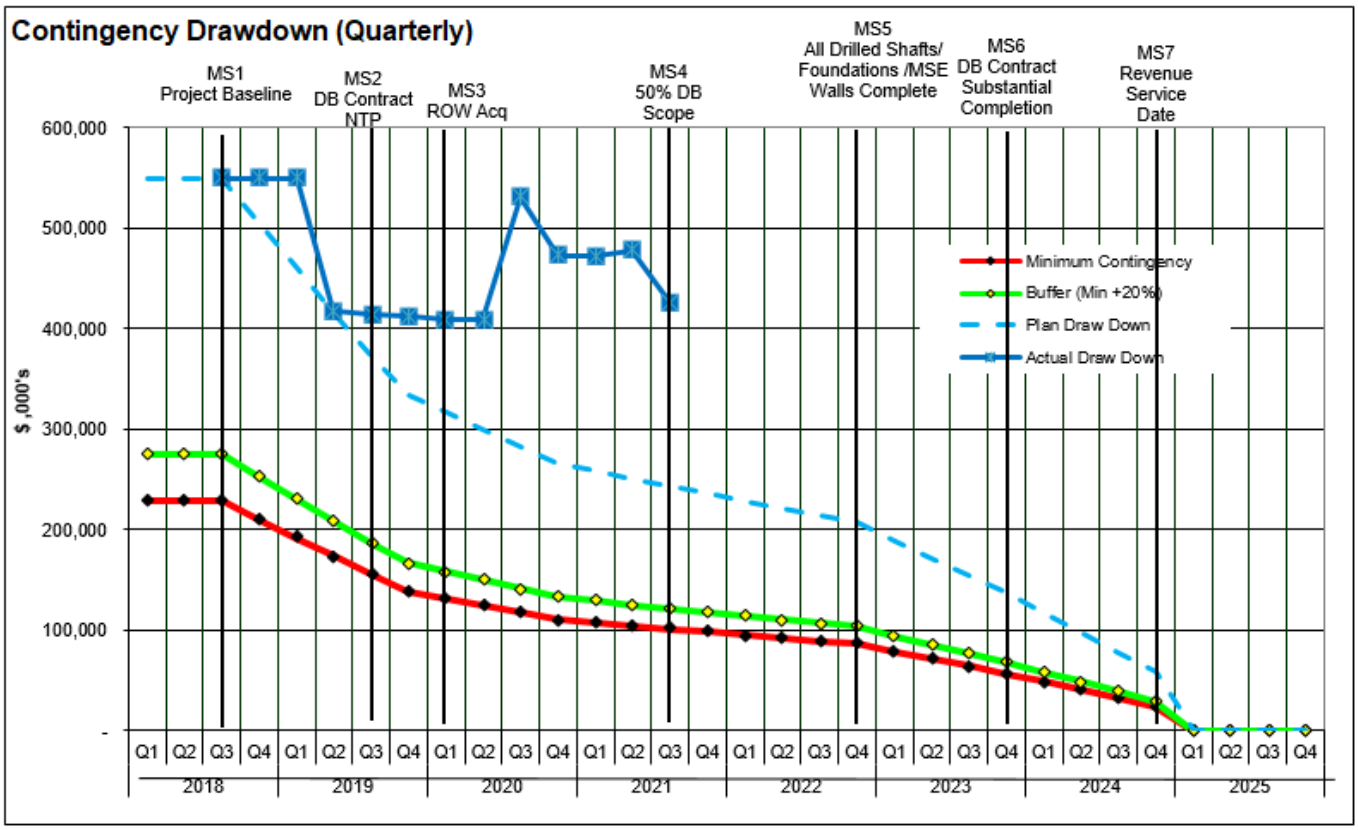
Type	Baseline		Current Status	
	Amount	% of Total Budget	Remaining Amount	% of Work Remaining
Design Allowance	$139.6	5.7%	$0.0	0.0%
Allocated Contingency	$232.2	9.5%	$260.6	16.5%
Unallocated Contingency	$178.1	7.3%	$165.1	10.4%
Total:	**$549.9**	**22.4%**	**$425.7**	**26.9%**

Table figures are shown in millions.

Contingency by Type



Contingency Drawdown (Quarterly)



Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility for continuously monitoring project status and associated risks. The final report of the QRA Workshop from June is being finalized.

Below are the top project risks:

- Liquefaction zone identified at Structure C could require an alternate design impacting cost & schedule.
- Sanding program and LRV storage requirements impacting permit issuance.
- Design and construction change requests are not implemented in a timely manner, causing cost and schedule impacts, and/ or are implemented in a manner that deviates from Operational requirements and reliability standards.
- Known third party utility relocations (Century Link, Comcast, Lumen etc.) may not occur as scheduled potentially delaying construction and increasing construction costs.
- Final commissioning overlap for DRLE, LLE, and FWLE may constrain resources and result in delays to Final Acceptance.
- PSE easements may cause delays of utility work.
- Requirements for facility and/or systems modifications by AHJs and ST.

WA 3.8 Girder Span G23 at FWTC

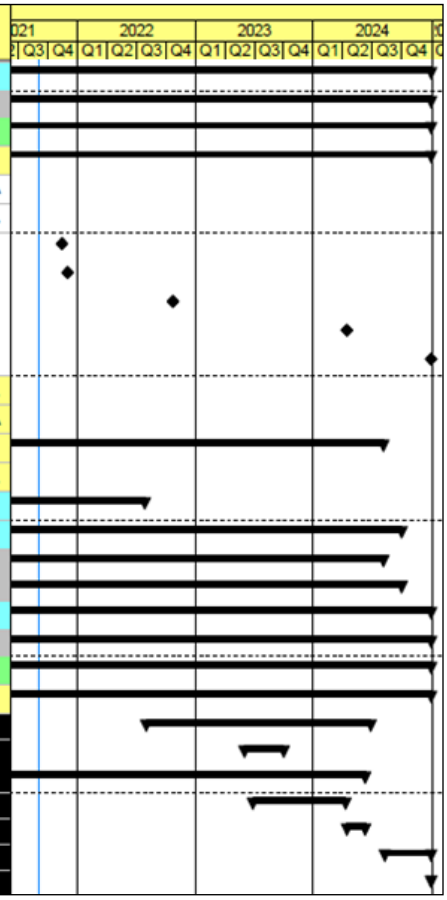
WA 3.2 Structure D Facing North

Link Light Rail
Federal Way Link Extension

Project Schedule

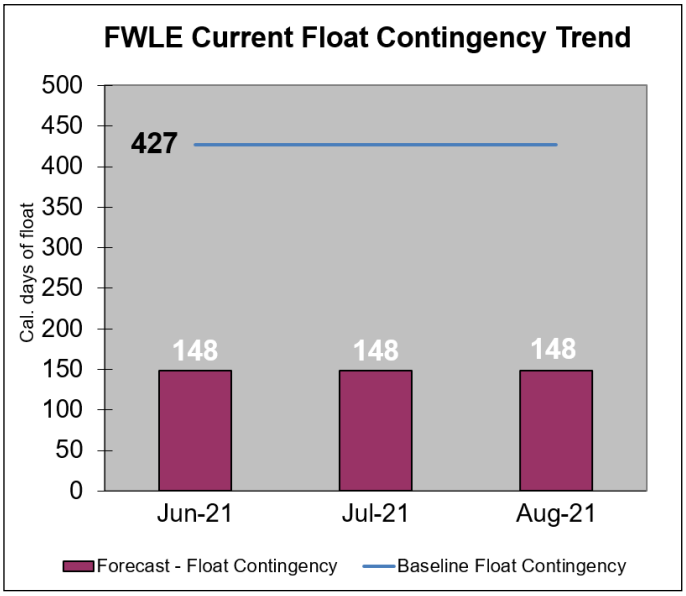
The project schedule is presented below. Right-of-Way acquisitions are nearly complete. LNTP was issued June 7, 2019. The baseline schedule submittal was approved in January 2020. Our Full Funding Grant Agreement was awarded on January 22, 2020. Construction NTP was issued in early May 2020. FWTC re-design change order was approved by the ST Board in April. ST project float contingency was reduced to 148 days now that FWTC CO is endorsed. Revenue Service remains on schedule for Q4 2024.

Activity Name	Start	Finish
Federal Way - Master Schedule	01-Jul-16 A	31-Dec-24
Federal Way Link Extension -Integrated Master Schedule	01-Jul-16 A	31-Dec-24
Federal Way Link Extension -Integrated Master Schedule	01-Jul-16 A	31-Dec-24
Baseline/FFGA Milestones	27-Sep-18 A	31-Dec-24
MS 01 - Baseline Project (Q3 2018)		27-Sep-18 A
MS 02 - NTP to Design/Build Contractor (Q3 2019)		07-Jun-19 A
MS 04 - 50% Design/Construction Complete (Q4 2021) (*based on contract duration)		11-Nov-21
MS 03 - ROW Acquisitions Complete (Q1 2020)		30-Nov-21
MS 05 - All Drilled Shafts/Foundations/MSE Walls Complete (Q1 2022)		22-Oct-22
MS 06 - Design/Build Contractor - Substantial Completion - (Q4 2023)		11-Apr-24
MS 07 - Revenue Service w/Float (Q4 2024)		31-Dec-24*
Preliminary Engineering	01-Jul-16 A	22-Jan-20 A
Third Party Agreements and Permitting	01-Jul-16 A	21-Sep-20 A
Federal Way Link - Design-Build Construction Management Consultant - Contract	14-Nov-16 A	04-Aug-24
Federal Way Design/Build Contract Procurement	11-Mar-17 A	07-Jun-19 A
Federal Way - Right of Way	10-May-17 A	26-Jul-22
Federal Way - Construction	01-Jun-19 A	30-Sep-24
Federal Way - F200 -Guideway and Stations - D/B Schedule Update	01-Jun-19 A	05-Aug-24
Federal Way - F210 -Traffic Mitigation	04-Jan-21 A	30-Sep-24
Federal Way - Rail Activation	28-Jun-19 A	31-Dec-24
Federal Way Link Extension - Rail Activation	28-Jun-19 A	31-Dec-24
Federal Way Link Extension - Rail Activation	28-Jun-19 A	31-Dec-24
Rail Activation	28-Jun-19 A	31-Dec-24
Rail Activation by Task	01-Aug-22	27-Jun-24
LRV Conditional Acceptance - FWLE	01-Jun-23	29-Sep-23
FWLE IT Coordination	28-Jun-19 A	09-Jun-24
Systems Integration & Testing	26-Jun-23	10-Apr-24
Pre-Revenue Service	11-Apr-24	09-Jun-24
Project Float	06-Aug-24	31-Dec-24
Revenue Service	31-Dec-24	31-Dec-24



Project Float

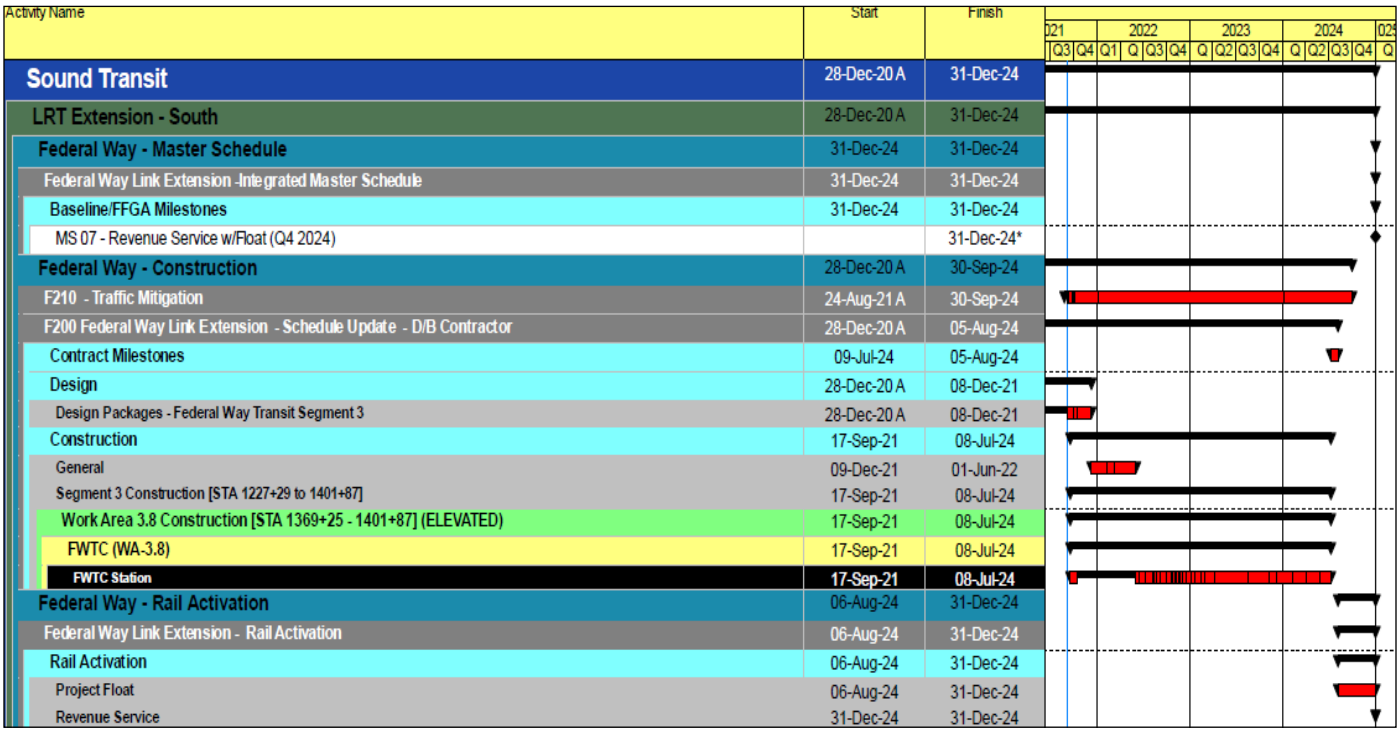
Federal Way Link Extension was baselined with 427 days of project float. Currently the project is reporting 148 calendar days of project float remaining between Pre-Revenue Service and Revenue Service in December 2024. Schedule pressure from CO 054 (FWTC), ST design revisions for FWTC, required the reduction of project float contingency by 108 calendar days and the use of all 30 days of owner controlled float in the F200 contract. The schedule is being monitored closely for any further schedule delays or impacts.



Critical Path Analysis

The critical path to Revenue Service commences with FWTC design, structural procurement and steel erection at FWTC station. The change order for FWTC redesign has been incorporated in the schedule and was approved by ST Board in April. Negotiations were completed and was signed by both parties in July. Kiewit is showing F200 Milestone #5 Final Acceptance as August 5, 2024 for completion of the project.

A secondary critical path that is being monitored closely is the KDM station platform concrete installation to FWTC station platform concrete installation. This work is near critical due to limited crew availability from the contractor. We will continue to work with Kiewit regarding the addition of additional detail in the schedule. Please note that the F210 Traffic Mitigation contract has appeared as critical due to a forecasted completion date of September 2024. We are working with the team to identify the criticalness of this work and hope to correct it in the September update.



Activity Name	Start	Finish
Sound Transit	28-Dec-20 A	31-Dec-24
LRT Extension - South	28-Dec-20 A	31-Dec-24
Federal Way - Master Schedule	31-Dec-24	31-Dec-24
Federal Way Link Extension -Integrated Master Schedule	31-Dec-24	31-Dec-24
Baseline/FFGA Milestones	31-Dec-24	31-Dec-24
MS 07 - Revenue Service w/Float (Q4 2024)		31-Dec-24*
Federal Way - Construction	28-Dec-20 A	30-Sep-24
F210 - Traffic Mitigation	24-Aug-21 A	30-Sep-24
F200 Federal Way Link Extension - Schedule Update - D/B Contractor	28-Dec-20 A	05-Aug-24
Contract Milestones	09-Jul-24	05-Aug-24
Design	28-Dec-20 A	08-Dec-21
Design Packages - Federal Way Transit Segment 3	28-Dec-20 A	08-Dec-21
Construction	17-Sep-21	08-Jul-24
General	09-Dec-21	01-Jun-22
Segment 3 Construction [STA 1227+29 to 1401+87]	17-Sep-21	08-Jul-24
Work Area 3.8 Construction [STA 1369+25 - 1401+87] (ELEVATED)	17-Sep-21	08-Jul-24
FWTC (WA-3.8)	17-Sep-21	08-Jul-24
FWTC Station	17-Sep-21	08-Jul-24
Federal Way - Rail Activation	06-Aug-24	31-Dec-24
Federal Way Link Extension - Rail Activation	06-Aug-24	31-Dec-24
Rail Activation	06-Aug-24	31-Dec-24
Project Float	06-Aug-24	31-Dec-24
Revenue Service	31-Dec-24	31-Dec-24

Right-of-Way

Acquisitions for a range of property interests, includes compensable (e.g. fee acquisitions, guideway easements, permanent and temporary construction easements) and non-compensable rights (e.g. rights of entry). These acquisitions will result in owner and tenant residential and commercial relocations. The ROW status for this period is summarized in below table.

Federal Way Link Extension Property Acquisition Status					
ACQUISITION				RELOCATION	
Total Acquisitions	Board Approved	Offers Made to date	Closings to date	Relocations Required	Relocations Completed to date
257	353	341	311	441	432
** All numbers are cumulative totals, except where noted. Number of totals may differ from other reports due to the timing of reporting periods.*					

Terminology: Total Acquisitions is defined as only parcels (recognizing only land not owners). Board Approved based on parcels and properties (multi-unit acquisitions). Relocation numbers are the number of affected individuals.

Community Engagement

- Communication with property owners and the public on FWLE route, station areas and property acquisition is ongoing.
- Conducted outreach at the Federal Way Farmers Market on August 14.
- Conducted outreach at the Kent Inside Out Open Air Dining and Marketplace on August 21.
- Completed youth safety video for Mark Twain Elementary/Federal Way Public Schools.
- Continued enrollment and promotion of Loyal to the Local businesses along the alignment, including starting a search engine optimization project.
- Working with City of Kent and other stakeholders to advance engagement plans for Kent Des Moines station area TOD online open house and community conversation in Oct-Nov.
- Met with various property owners and local businesses to address concerns about future project impacts.

Guideway wall with artwork at Mark Twain Elementary

Zap Gridlock filming safety video for Mark Twain Elementary

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

Overall the project FTE is 2.2 below the staffing plan for this period. DBPM Services is over plan as they address Design-Build contractor activities for change management, design and major construction oversight that involves drill shafts, demo, utility relocations and various civil site work throughout the alignment. ST staffing is trending approximately 13.7 under plan, however there are a few vacancies in the project that are in process of being filled.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	43.9	30.2	(13.7)
Consultants	57.3	68.8	11.5
TOTAL	101.2	99.0	(2.2)
** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*			

Sound Transit Board Actions

Board Action	Description	Date
	None to report this period.	

Construction Safety

Data/ Measure	August 2021	Year to Date	Project to Date
Recordable Injury/Illness Cases	0	2	2
Days Away From Work Cases	0	0	0
Total Days Away From Work	0	0	0
First Aid Cases	2	6	9
Reported Near Mishaps	0	3	5
Average Number of Employees on Worksite	466	-	-
Total # of Hours (GC & Subs)	47,143	363,220	584,152
OSHA Incident Rates	**Monthly Average**	**Year to Date**	**Project to Date**
Recordable Injury Rate	0	1.1	0.68
Lost Time Injury (LTI) Rate	0.00	0.00	0.00
Recordable National Average	**2.8**		
LTI National Average	**1.10**		
Recordable WA State Average	**5.70**		
LTI WA State Average	**2.00**		

Note: Due to the timing of contractor's reporting periods, the current month's numbers above are a combination of actuals and estimates. All previous months' numbers are reconciled and replaced with actuals.

F200 Design Build Contract

Current Progress

Status at the close of August 2021, the F200 Design-Build Contractor, Kiewit, established and conducted Design Task Force meetings, completed 38 of 46 design packages and 14 of 17 final specification packages. A review of the baseline schedule for design delivery identified 6 late items: 4 design packages and 2 specification packages. Civil clear & grub is nearing completion and guideway structures are in progress. SR99 Bridge construction has several NCRs related to shaft construction. KDM Garage construction, 216th Undercrossing, and Mark Twain Seasonal showed significant construction.

Design:

- During the month, 19 RFIs, 73 Shop drawings, and 43 FDC/NDCs were received.
- Load Flow Analysis (LFA) under review
- Structure C soil liquefaction task force meetings were ongoing. Two options under consideration: remove and replace with deep soil mix and piers with steel girders on shorter span.

Construction:

- Guideway structures % completeness (all Segments): Drilled shafts = 70%, Columns = 65%, and Caps and Straddles = 58%, Girder erection = 26%. Extensive superstructure (deck and diaphragms) construction in work area 1.3.
- SR99 Bridge effort included: Soldier piles, lagging, columns, wall formwork, and pier cap forms and dewatering wells columns. Resolving multiple NCRs for shafts.
- KDM Garage: L1-L2 ramp slab completed, L2 deck pours = 70%, L2-L3 ramp pours, electrical and plumbing rough in.
- 216th Undercrossing construction: box structure completed, backfilled and roadway paved.
- Midway landfill: completed level pads for MSE Walls L1135 and R1135 and began setting panels place. Placed R1164 Noise Walls and began setting formwork and concrete pours for R1162.
- Mark Twain: mass excavation, drainage, portable installation and electrical service, waterline and sewer relocate.
- FWTC EOL, and Layover lot: Sewer install, Capitals formwork and pours and girder install.

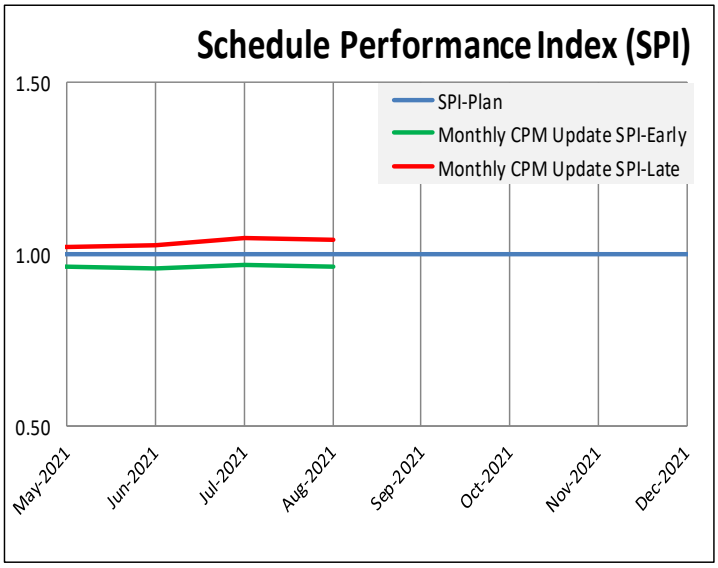
WA3.8 Girder Span G23 at FWTC

WA2.2 Placing Concrete R1162C

Schedule Summary

The progress schedule for August 2021 has been accepted and is shown below. Construction NTP was issued in May 2020. All contract milestones are currently being met. Federal Way Transit Center redesign change order was accepted by the ST Board in April which has moved Milestone #5 Final Acceptance to August 5, 2024. ST will continues to work with Kiewit regarding ongoing schedule impacts.

Activity Name	Start	Finish
F200 Federal Way Link Extension - Schedule Update - D/B Contractor	01-Jun-19 A	05-Aug-24
Contract Milestones	07-Jun-19 A	05-Aug-24
Limited Notice to Proceed	07-Jun-19 A	
Contractual Notice to Proceed	28-Feb-20 A	
Notice to Proceed	04-May-20 A	
Issuance of Full Notice to Proceed (REC-01802, 07-Dec-2020)	07-Dec-20 A	
MS 1 - Civil Work in WSDOT ROW From S 208th Street to I-5 (Sta. L 2260+00) (VA-2) (01-Mar-22)		10-Feb-22*
MS 2 - Civil Work in WSDOT ROW from Start of FWLE to S 208th Street (VA-1) (01-Nov-22)		19-Aug-22*
MS 3 - LRV Early Storage (2,000 feet of Track) (01-Jun-23)		25-May-23*
MS 4 - Work in WSDOT ROW from I-5 (Sta. L 2260+00) to S 272nd Street (VA-3) (01-Nov-23)		29-Aug-23*
Substantial Completion		10-Apr-24
60-Day Pre-Revenue Operations	11-Apr-24	09-Jun-24
30-Day Sound Transit–Controlled Float	10-Jun-24	10-Jun-24
MS 5 - Acceptance of All Work (19-April-24)		05-Aug-24
Design	07-Jun-19 A	30-Jun-23
Design Milestones	07-Jun-19 A	30-Jun-23
Corridor Wide	07-Jun-19 A	08-Dec-21
Design Packages - Kent Des Moines Segment 1	07-Jun-19 A	15-Jul-21 A
Design Packages - Star Lake Segment 2	07-Jun-19 A	20-Oct-21
Design Packages - Federal Way Transit Segment 3	07-Jun-19 A	07-Jan-22
Construction	01-Jun-19 A	08-Jul-24
General	01-Jun-19 A	10-Apr-24
Segment 1 Construction [STA 990+10 to 1112+99]	28-Jun-19 A	01-Mar-24
Segment 2 Construction [STA 1112+99 to 1227+29]	28-Jun-19 A	01-Mar-24
Segment 3 Construction [STA 1227+29 to 1401+87]	28-Jun-19 A	08-Jul-24
Provisional Sums	01-Dec-19 A	11-Nov-23
Change Orders	01-Jul-19 A	24-Jul-24



Schedule Performance Index

For the August period, the Early SPI is 0.97 and Late SPI is 1.04 (previously: 0.97 and 1.05, respectively). August actuals were in between the Early and Late date planned value for the period. Although the Early SPI is less than 1.0, compared against revised cash flow projections, (incorporating both base contract and change orders executed to date), Kiewit continues to remain within acceptable performance tolerances for cumulative early and late curves.

Next Period's Activities

Design:

- Continue effort on FDC/NDC, RFIs, product data submittals and shop drawings.
- Load Flow Analysis and OCS foundation submittals to be returned.
- CW.02 90/100% Systems Standards Package submittal expected.
- CW.07 IFC Non-station Landscaping package expected.
- Mark Twain Landscaping package expected.
- FWTC Station, EOL, and Layover Lot designs and MOT expected.
- Structure C soil liquefaction: Ongoing review and finalize design solution.

Construction:

- Guideway substructure and superstructure construction continues (all segments). Extensive superstructure (deck and diaphragms) construction in segment 1 and 3.
- 216th Undercrossing: minor paving and curb work.
- SR99 Bridge: Soldier piles, lagging, columns, wall formwork, complete pier cap 2. Resolve multiple NCRs for shafts and rework.
- KDM Garage: start on L2-L3 ramp and L3 deck. Electrical and plumbing rough in continued.
- Midway landfill: embanking, MSE and Noise wall construction.
- Star Lake: MOT, roadwork, Temp power construct forms and rebar for walls and footings.
- Mark Twain: MSE walls and backfill (night work).

Closely Monitored Issues

- Load flow analysis (LFA)
- Structure C soil liquefaction
- Siding Track
- Testing & Commissioning Program
- Blocked pipe on I-5

Cost Summary

Present Financial Status	Amount
F200 Contractor - Kiewit Infrastructure West Co	
Original Contract Value	$1,285,200,000
Change Order Value	$137,571,169.40
Current Contract Value	$1,422,771,169
Total Actual Cost (Incurred to Date)	$516,848,137
Percent Complete	39.13%
Authorized Contingency + Add'l Ctg	$248,297,519
Contingency Drawdown	$137,571,169.40
Contingency Index	0.71

WA3.4 E01 Abutment Installation

Project Summary

Scope

Limits City of Tacoma

Alignment The Hilltop Tacoma Link Extension (HTLE) project is a 2.4-mile extension of the existing Tacoma Link system from the Theater District in downtown Tacoma to the Hilltop neighborhood. The extension will travel at-grade along Stadium Way, North 1st Street, Division Avenue, and Martin Luther King Jr. Way (MLK).

Stations Old City Hall, S. 4th, Stadium District, Tacoma General, 6th Avenue, Hilltop

Systems Expansion of the Operations and Maintenance Facility (OMF); The at-grade alignment will include additional signals, Overhead Catenary Systems (OCS), traction power, and communications infrastructure.

Phase Construction

Budget $252.7 Million (Re-Baselined June 2020)

Schedule Revenue Service: May 2022

Map of Hilltop Tacoma Link Extension.

Key Project Activities

Final Design: Design consultant continued design services during construction.

Construction: August activities were performed in accordance with contractor COVID-19 safety training and protocols.

- **Heading 1**: Poured 292 lf of inbound track slab between S. 7th and S. 9th on Commerce St. and 253 lf of inbound track slab at Stadium Way and Division Ave. Completed grading for HMA on west side of Commerce St. Poured curb and gutter on Stadium Way between S. 4th and Division Ave. and installed crosswalks at Commerce and S. 7th intersection.
- **Heading 2**: Installed OCS assemblies at the Stadium High School and on Division Ave. from MLK to I St.
- **Heading 3:** Completed installation and regulation of OCS assemblies from S. 19th to S. 15th. Continued above ground traffic signal installations at MLK and S. 9th. Continued underground traffic signalization work at MLK and Earnest Brazill. Poured outbound curb and gutter from S. 18th to S. 17th.
- **OMF: Building—**Completed OMF fire suppression and fire final inspections. Continued close-out of punchlist items and building testing and commissioning. **Yard—**Set TPSS No. 5 and began preliminary testing. Completed electrical rough-in and multipurpose facility. Completed sanitary sewer static test. **E. 25th St.—**Formed and poured curb, gutter and sidewalk and continued grading on E. 25th in advance of paving.

Closely Monitored Issues

- Staff continue to monitor supply chain interruptions as they affect LRV manufacturing schedule.
- Staff continue to assess and quantify schedule impacts to revenue service date.

Project Cost Summary

The project cost is summarized below in two cost categories. The first table summarizes costs in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The second table summarizes costs in accordance with the FTA's Standard Cost Categories (SCC) format. The figures in both tables are shown in millions.

This period approximately $11M was incurred, of this $0.5M was incurred for Vehicle procurement & inspection services; 10M for Construction phase comprised mainly of $9.9M for T100 construction contract and $0.1M for Startup activities. Remaining expenditures reside in Construction Services, Final Design and Administration.

Cost Summary by Phase

Project Phase	Baseline Budget	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$21.7	$17.2	$17.0	$21.7	$0.0
Preliminary Engineering	$5.6	$5.6	$5.6	$5.6	$0.0
Final Design	$14.1	$13.7	$13.6	$14.1	$0.0
Construction Services	$12.4	$10.4	$10.3	$12.4	$0.0
3rd Party Agreements	$1.5	$1.3	$1.0	$1.5	$0.0
Construction	$162.0	$137.0	$125.4	$162.0	$0.0
Vehicles	$33.4	$31.9	$8.3	$33.4	$0.0
ROW	$2.2	$2.2	$1.9	$2.2	$0.0
Contingency	$0.0	$0.0	$0.0	$0.0	$0.0
Total	**$252.7**	**$219.3**	**$183.0**	**$252.7**	**$0.0**

Cost Summary by SCC

SCC Element	Baseline Budget	Commitment to Date	Incurred to Date	Estimated Final Cost	Adopted Budget vs.
10 Guideway & Track	$31.0	$26.2	$24.0	$31.0	$0.0
20 Stations	$3.5	$2.9	$2.7	$3.5	$0.0
30 Support Facilities	$41.2	$34.8	$31.9	$41.2	$0.0
40 Sitework & Special Conditions	$51.7	$43.8	$40.1	$51.8	$0.1
50 Systems	$34.6	$29.2	$26.7	$34.6	$0.0
Construction Subtotal (10 - 50)	**$161.9**	**$137.0**	**$125.4**	**$162.0**	**-$0.1**
60 Row, Land	$2.0	$2.2	$1.9	$2.2	$0.2
70 Vehicles (non-revenue)	$33.1	$31.9	$8.3	$33.4	$0.3
80 Professional Services	$53.8	$48.1	$47.4	$55.2	$1.4
90 Unallocated Contingency	$2.0	$0.0	$0.0	$0.0	-$2.0
Total (10 - 90)	**$252.7**	**$219.3**	**$183.0**	**$252.7**	**$0.0**

Contingency Management

Hilltop Tacoma Link Extension was baselined on September 2017 with a total contingency of $33.8M. Since baselining, there were drawdowns on AC and UAC to address the Procurement of the Tacoma LRV and T100 Construction contracts, Design Services During Construction contract, and various construction change orders. The baseline contingency levels were insufficient and required an additional $35.4M that was approved by the ST Board in June 2020.

Design Allowance (DA) was established to account for unquantified scope at the time of the cost estimate. DA is at $0M, as a result of completion of Final Design.

Allocated Contingency (AC) is used to address risks, complexity and unforeseen conditions during the execution of work, including procurement. This period the AC was reduced by approximately $0.2M due to a decrease of executed change orders for T100 contract . Current balance is to $24.4M.

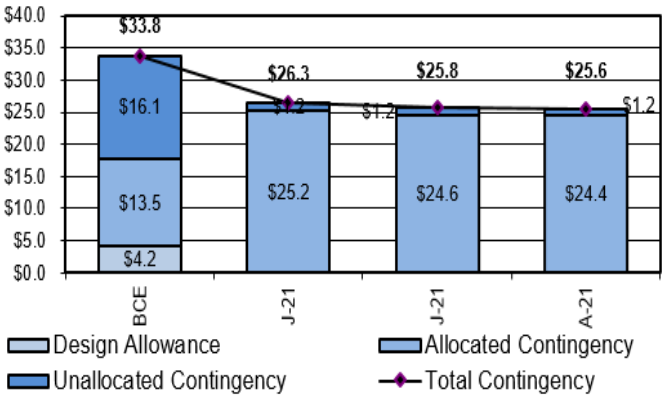
Unallocated Contingency (UAC) is used to address general project-wide cost risks and uncertainties. The UAC balance of $1.2M remains unchanged this period.

Contingency Status (Monthly)

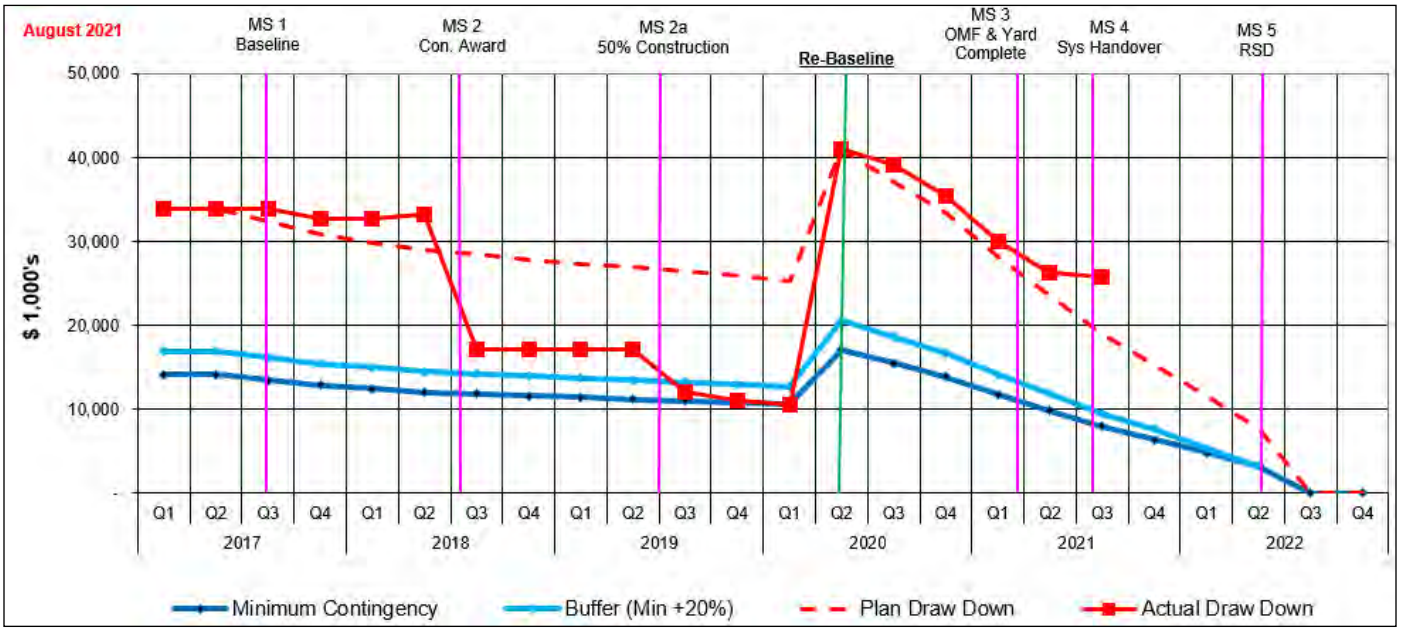
Type	Baseline		Re-Baseline	
	Amount	% of Total	Amount	% of Work
Design Allowance	$4.2	2.2%	$0.0	0.0%
Allocated Contingency	$13.5	6.8%	$24.4	35.0%
Unallocated Contingency	$16.1	8.2%	$1.2	1.7%
Total	**$33.8**	**17.2%**	**$25.6**	**36.7%**

Table figures are shown in millions.

Contingency by Type ($ Millions)



Contingency Drawdown (Quarterly)



Risk Management

The Hilltop Tacoma Link Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It will provide a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility for continuously monitoring project status and associated risks, taking mitigation actions for known risks identified on the risk register, and effectively responding in a timely manner to those risks that pose a significant impact to the project cost or schedule forecast.

The last risk workshop was held May 2021 and the next one will occur next year. Below are the top risk from most recent risk register meeting.

- The T100 contractor may submit a cumulative impact claim to ST.
- Third party coordination required for submittal, RFI responses and design reviews may delay construction work progress.
- LRV testing complications may occur after delivery.
- LRV Procurement Schedule - Sufficient time must be allowed for the manufacturer to deliver the cars, otherwise testing and opening of the expansion could be delayed. Current OMF can store 1 LRVs for delivery.
- Inadequate schedule contingency (float) may result in project finishing later than anticipated
- Cutovers - Contractor planning and implementation from existing alignment to new alignment at 9th & Commerce St. switch may negatively impacts Operations.
- Work zone constraints due to traffic control for associated utility work considerations and impacts to stakeholder require additional Contractor resources.
- Construction Modifications - ADA curb ramp. Request by City of Tacoma for adjustments to approved design and/or rework of contract compliant constructed ADA curb ramps due City discretionary inspection.
- ST internal resources (System Integration Testing) may be constrained if schedule slip or does not align with other ST projects needing SMEs and other SIT staff to perform testing.
- Roadway modifications for curb and gutter, may require additional resources for City of Tacoma new curb and gutter standards that conflict with T100 contract.

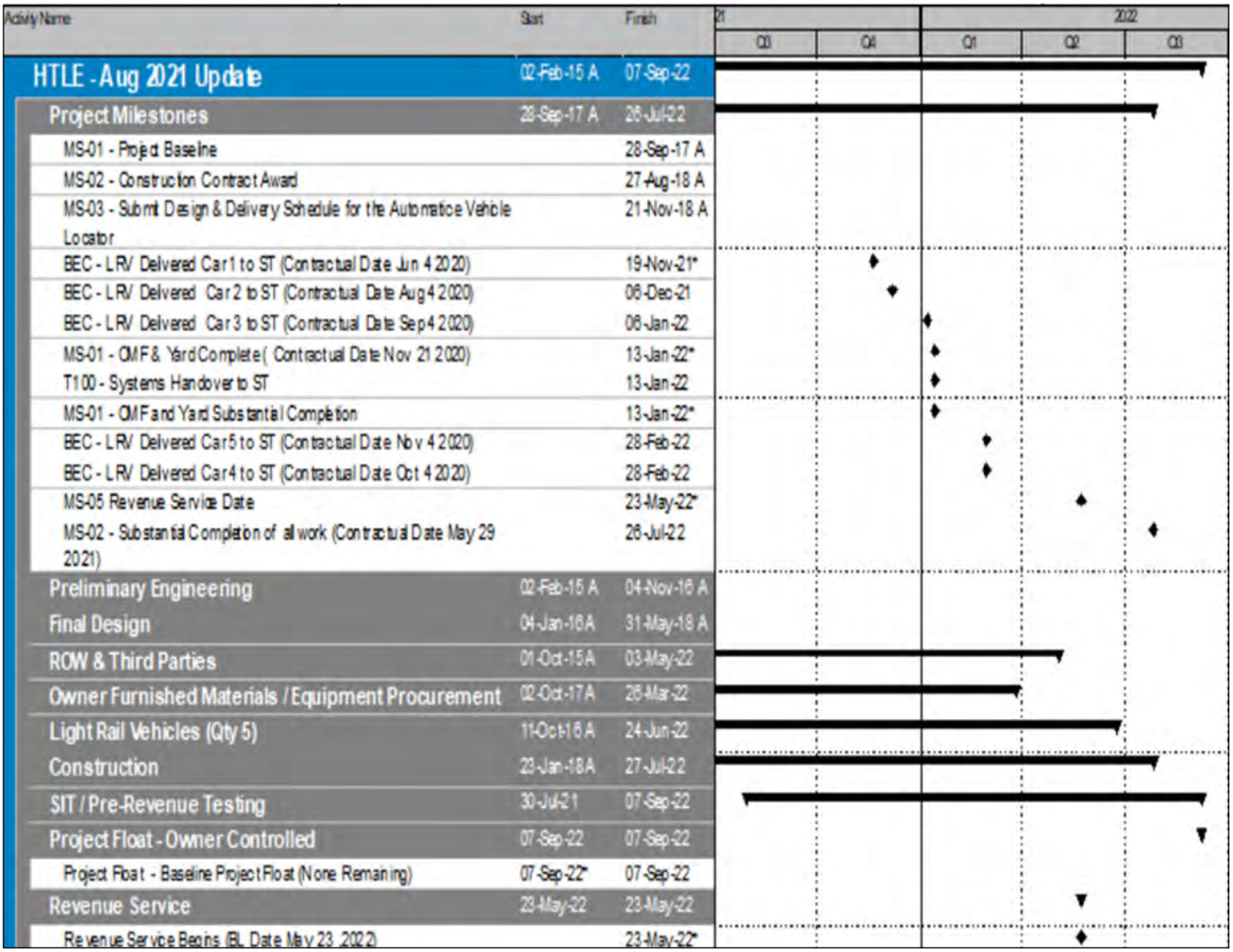
Project Schedule

The master schedule was updated through the end of August 2021. Overall physical percent complete remains unchanged at 82%.

LRV: The delivery of the first car is forecasted in late Q4 2021 and last car in Q1 2022. The car builder's schedule estimates three of five cars will be delivered and conditional accepted to support start of pre-revenue service.

T100: Project staff continue implementation of mitigations to address delays to baseline revenue service date.

Sound Transit directed the contractor to implement their recovery plan. Executive leadership meetings with the contractor and City of Tacoma seek to garner support for extraordinary mitigation measures to recover schedule.



Activity Name	Start	Finish
HTLE - Aug 2021 Update	02-Feb-15 A	07-Sep-22
Project Milestones	28-Sep-17 A	26-Jul-22
MS-01 - Project Baseline		28-Sep-17 A
MS-02 - Construction Contract Award		27-Aug-18 A
MS-03 - Submit Design & Delivery Schedule for the Automatice Vehicle Locator		21-Nov-18 A
BEC - LRV Delivered Car1 to ST (Contractual Date Jun 4 2020)		19-Nov-21*
BEC - LRV Delivered Car 2 to ST (Contractual Date Aug 4 2020)		06-Dec-21
BEC - LRV Delivered Car 3 to ST (Contractual Date Sep 4 2020)		06-Jan-22
MS-01 - OMF & Yard Complete (Contractual Date Nov 21 2020)		13-Jan-22*
T100 - Systems Handover to ST		13-Jan-22
MS-01 - OMF and Yard Substantial Completion		13-Jan-22*
BEC - LRV Delivered Car5 to ST (Contractual Date Nov 4 2020)		28-Feb-22
BEC - LRV Delivered Car4 to ST (Contractual Date Oct 4 2020)		28-Feb-22
MS-05 Revenue Service Date		23-May-22*
MS-02 - Substantial Completion of all work (Contractual Date May 29 2021)		26-Jul-22
Preliminary Engineering	02-Feb-15 A	04-Nov-16 A
Final Design	04-Jan-16 A	31-May-18 A
ROW & Third Parties	01-Oct-15 A	03-May-22
Owner Furnished Materials / Equipment Procurement	02-Oct-17 A	26-Mar-22
Light Rail Vehicles (Qty 5)	11-Oct-16 A	24-Jun-22
Construction	23-Jan-18 A	27-Jul-22
SIT / Pre-Revenue Testing	30-Jul-21	07-Sep-22
Project Float - Owner Controlled	07-Sep-22	07-Sep-22
Project Float - Baseline Project Float (None Remaining)	07-Sep-22*	07-Sep-22
Revenue Service	23-May-22	23-May-22
Revenue Service Begins (BL Date May 23, 2022)		23-May-22*

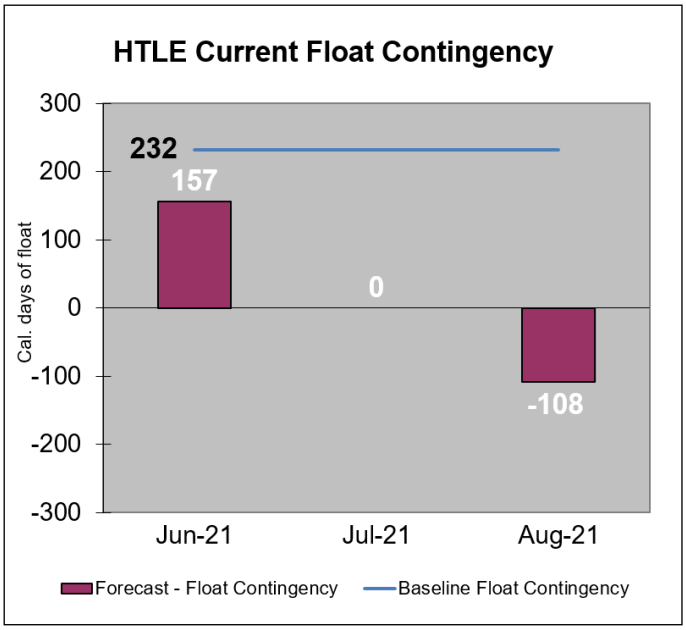
Link Light Rail
Hilltop Tacoma Link Extension

Project Float

Hilltop Tacoma Link Extension baseline schedule included 232 days of project float to support revenue service on May 23, 2022. The current HTLE master schedule forecasts all the remaining project float of 157 days will be consumed.

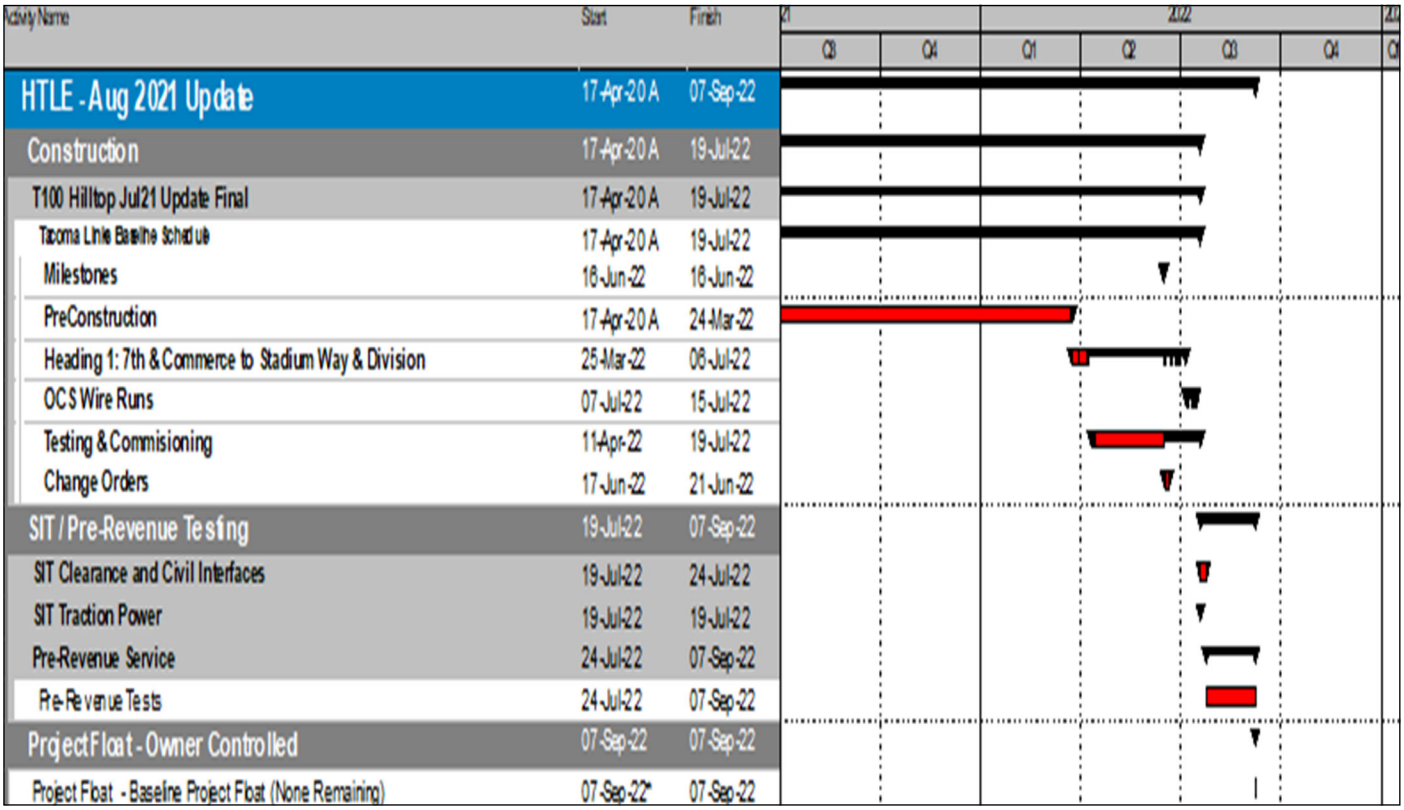
Staff continue to assess time impacts related to change orders on the T100 construction contract and anticipate delays to the baseline revenue service date. Mitigations to reduce impact of schedule delays have been implemented.

To better monitor the schedule contingency, the Project Float Graphic shown in this report will be representing data from the HTLE master schedule float analysis. Previously this graphic have shown the contractually stated float.



Critical Path Analysis

The analysis for August 2021 shows the main critical path for the T100 contract in the OCS Wire Runs Registration; Job Wide ITS testing and Testing and Commissioning, 9th Commerce intersection work in Heading 1 before pre-revenue service begins. LRV deliveries and conditional acceptance are near critical activities which could influence the completion of pre-revenue service tests. Current forecast completion is Q3 2022 which represents a delay to May 2022 Revenue Service date. ST and contractor continue to identify to mitigations to address schedule impacts.


Activity Name
Start
Finish
2022
Q3
Q4
Q1
Q2
Q3
Q4
HTLE - Aug 2021 Update 17-Apr-20 A 07-Sep-22
Construction 17-Apr-20 A 19-Jul-22
T100 Hilltop Jul21 Update Final 17-Apr-20 A 19-Jul-22
Tacoma Link Baseline Schedule 17-Apr-20 A 19-Jul-22
Milestones 16-Jun-22 16-Jun-22
PreConstruction 17-Apr-20 A 24-Mar-22
Heading 1: 7th & Commerce to Stadium Way & Division 25-Mar-22 06-Jul-22
OCS Wire Runs 07-Jul-22 15-Jul-22
Testing & Commisioning 11-Apr-22 19-Jul-22
Change Orders 17-Jun-22 21-Jun-22
SIT / Pre-Revenue Testing 19-Jul-22 07-Sep-22
SIT Clearance and Civil Interfaces 19-Jul-22 24-Jul-22
SIT Traction Power 19-Jul-22 19-Jul-22
Pre-Revenue Service 24-Jul-22 07-Sep-22
Pre-Revenue Tests 24-Jul-22 07-Sep-22
Project Float - Owner Controlled 07-Sep-22 07-Sep-22
Project Float - Baseline Project Float (None Remaining) 07-Sep-22* 07-Sep-22

Right-of-Way

The Hilltop Tacoma Link Operations and Maintenance Facility will expand to the east and five new vehicles will be purchased. The Right-of -Way effort for this project involved the acquisition of a range of property interests which includes compensable (e.g. fee acquisitions, guideway easements, permanent and temporary construction easements) and non-compensable rights (e.g. rights of entry). These acquisitions resulted in owner and tenant residential and commercial relocations. The following table summarizes the right-of-way program status for this period. All project property acquisitions are complete.

Tacoma Link Extension Property Acquisition Status					
ACQUISITION				RELOCATION	
Total Acquisitions	Board Approved	Offers Made to date	Closings to date	Relocations Required	Relocations Completed to date
20	20	20	20	1	1

** All numbers are cumulative totals, except where noted. Number of totals may differ from other reports due to the timing of reporting periods.*

Community Engagement

- Produced and distributed notification about: curb and gutter work in two areas on MLK Jr. Way, curb and gutter work on Stadium Way, overhead wire installation on MLK Jr. Way, OCS assembly installation in the Stadium curve, E. 25th Street closure, canopy installation for the 4th Street and Stadium District stations, as well as two-week notification to MultiCare about signals work in the Division Ave and MLK Jr. Way intersection and rail cleaning. Produced and distributed the weekly construction alert about traffic impacts. Continued to provide construction information to businesses and residents on Commerce St. and coordinate access and parking.
- Coordinated with the City, contractor and community on the Hilltop Summer Splash; this event closed Martin Luther King Jr. Way from S. 9th St. to S. 15th St. Sponsored this Aug. 21 event in Hilltop as well as the Stadium Art, Wine and Beer Walk.
- Started coordinating with more businesses on Loyal to the Local videos. Gave an update to the Hilltop Business Association, Aug. 19. Continued managing the Hilltop Tacoma Link's Facebook group page.
- Responded to questions and complaints about access, parking, garbage pick-up, damaged property, traffic and detour routes. Continued to coordinate with Legacy Apartments about possible mitigation for the damaged sidewalk and their blocked entrance on N. 1st St .

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

ST staff variance reflects shared design and engineering resources across multiple ST projects including South Corridor and Vehicles. Despite the variance in FTE levels project is sufficiently staffed for this period. ST will monitor project needs and adjust FTE levels as needed. Consultant FTE's (CMC) is slightly over plan as they continue to support T100 and vehicle procurement contracts approaching startup and pre-revenue activities.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	24.1	13.0	11.1
Consultants	15.5	15.7	(0.2)
TOTAL	39.6	28.7	10.9

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
	None to report this period.	

Construction Safety

Data/ Measure	August 2021	Year to Date	Project to Date
Recordable Injury/Illness Cases	1	3	11
Days Away From Work Cases	0	0	0
Total Days Away From Work	0	0	0
First Aid Cases	1	3	21
Reported Near Mishaps	0	20	67
Average Number of Employees on Worksite	160	-	-
Total # of Hours (GC & Subs)	9.055	59.536	305.140
OSHA Incident Rates	**Month**	**Year to Date**	**Project to Date**
Recordable Injury Rate	22.09	10.08	7.21
Lost Time Injury (LTI) Rate	0.00	0.00	0.00
Recordable National Average	**2.8**		
LTI National Average	**1.10**		
Recordable WA State Average	**5.70**		
LTI WA State Average	**2.00**		

Note: Due to the timing of contractor's reporting periods, the current month's numbers above are a combination of actuals and estimates. All previous months' numbers are reconciled and replaced with actuals.

Contract T100 — Hilltop Tacoma Link Extension

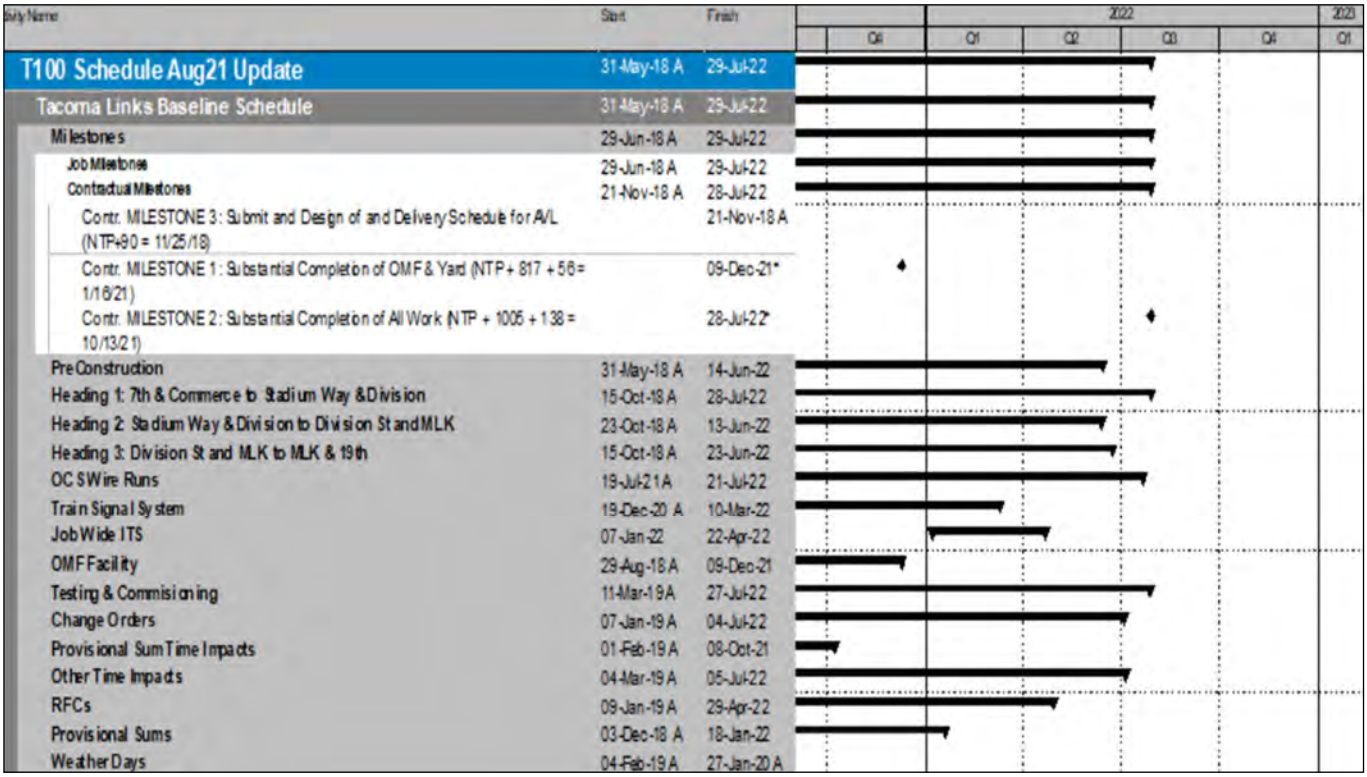
Current Progress

The construction contractor, Walsh Construction Company II, LLC, continues work at the interior and exterior of the OMF and in all three headings along the 2.4 mile extension.

- Heading 1: Poured curb and gutter, driveway and crosswalks from Stadium Way from 4th St. to I-705; installed rebar and conduits for the Old City Hall station..
- Heading 2: Continue traffic signalization at Division Ave and MLK.
- Heading 3: Installed TPSS#3 and #4 anchorage assembles. Completed OCS Wire runs 11, 12, 13 and 14. Poured St. Josephs Station platform canopy foundations, and finished underground work at MLK and Earnest Brazil for traffic signals. Continued inbound flatwork from S. 10th to S. 13th and outbound flatwork from S. 16th to S. 19th on MLK.
- OMF Building: Applied for temporary certificate of occupancy for the building's administrative areas with the City of Tacoma. Continue testing and commissioning of the OMF Bldg. **Yard:** Pulled wire and installed equipment in TPSS #5, Test TWC loops in yard. Poured concrete paving on the North side of the wash facility and continued work on the multipurpose facility. Paved at entry and parking areas.

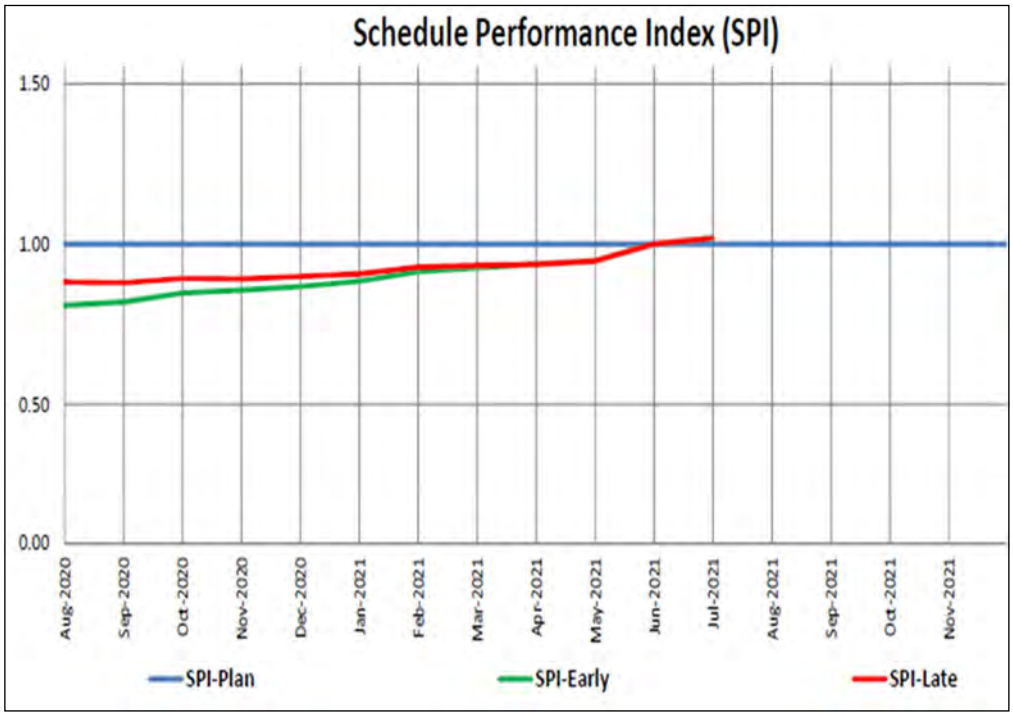
Schedule Summary

The T100 August 2021 monthly update does not support a Q1 2022 pre-revenue startup date. ST, the City of Tacoma and Walsh management are working collaboratively to identify and implement mitigations to reduce schedule impacts.


Activity Name
Start
Finish
2022
2023
Q4
Q1
Q2
Q3
Q4
Q1
T100 Schedule Aug21 Update 31-May-18 A 29-Jul-22
Tacoma Links Baseline Schedule 31-May-18 A 29-Jul-22
Milestones 29-Jun-18 A 29-Jul-22
Job Milestones 29-Jun-18 A 29-Jul-22
Contractual Milestones 21-Nov-18 A 28-Jul-22
Contr. MILESTONE 3: Submit and Design of and Delivery Schedule for A/L (NTP+90 = 11/25/18) 21-Nov-18 A
Contr. MILESTONE 1: Substantial Completion of OMF & Yard (NTP + 817 + 56 = 1/16/21) 09-Dec-21*
Contr. MILESTONE 2: Substantial Completion of All Work (NTP + 1005 + 138 = 10/13/21) 28-Jul-22*
Pre Construction 31-May-18 A 14-Jun-22
Heading 1: 7th & Commerce to Stadium Way & Division 15-Oct-18 A 28-Jul-22
Heading 2: Stadium Way & Division to Division St and MLK 23-Oct-18 A 13-Jun-22
Heading 3: Division St and MLK to MLK & 19th 15-Oct-18 A 23-Jun-22
OCS Wire Runs 19-Jul-21 A 21-Jul-22
Train Signal System 19-Dec-20 A 10-Mar-22
Job Wide ITS 07-Jan-22 22-Apr-22
OMF Facility 29-Aug-18 A 09-Dec-21
Testing & Commissioning 11-Mar-19 A 27-Jul-22
Change Orders 07-Jan-19 A 04-Jul-22
Provisional Sum Time Impacts 01-Feb-19 A 08-Oct-21
Other Time Impacts 04-Mar-19 A 05-Jul-22
RFCs 09-Jan-19 A 29-Apr-22
Provisional Sums 03-Dec-18 A 18-Jan-22
Weather Days 04-Feb-19 A 27-Jan-20 A

Schedule Performance Index

This period the Early SPI and late SPI were 1.0, the same as last month. Note: The SPI shown is relative to the project baseline and does not incorporate executed change orders and time extensions. Upon receipt from the Contractor of planned values to completion, ST will incorporate that data into the SPI and report accordingly. Until such time, SPI will remain at 1.0.



Next Period's Activities

- **Heading 1**: Install slab anchors bolts for light pole in Old City Hall station and pour station platform.
- **Heading 2:** Continue traffic signal work at Division and MLK intersection corners.
- **Heading 3**: Install raceways, vaults, handholds, water line and ground hydrant for the St. Joseph's Station. Continue flatwork on inbound at S. 10th & S. 13th and outbound between S.15th & S. 19th on MLK.
- **OMF Building**: Continue construction on multi-purpose facility and install bird deterrent at exterior. Continue testing and commissioning. **Yard:** Install island gate controller and installation of switch gears.

Closely Monitored Issues

- ST continues to monitor contractor compliance to protocols identified in their COVID-19 safety plan.
- The contractor has been put on notice regarding lack of progress in all three headings and advised to submit a recovery schedule.
- Notifications to the community of upcoming construction activities are ongoing. Business mitigation efforts are underway to support businesses impacted by construction activities. Community Outreach staff are managing this effort with the support of the contractor, City of Tacoma and ST field staff. The feedback from these businesses assisted the project team with developing the robust Commerce Street plan.
- The cutover at 9th and Commerce requires a series of planning workshops which began in January 2020. Participants include ST (including Operations), City of Tacoma and the contractor.

Cost Summary

Present Financial Status	Amount
T100 Contractor— Walsh Construction Company	
Original Contract Value	$ 108,295,000
Change Order Value	$ 15,580,467
Current Contract Value	$ 123,875,467
Total Actual Cost (Incurred to Date)	$ 111,903,542
Percent Complete	90%
Authorized Contingency	$ 37,114,750
Contingency Drawdown	$ 15,580,467
Contingency Index	2.2

Installing insulation on Y3 switches – H3

Contract RTA/RP 0014-16 — Tacoma Link Light Rail Vehicle (LRV) Procurement

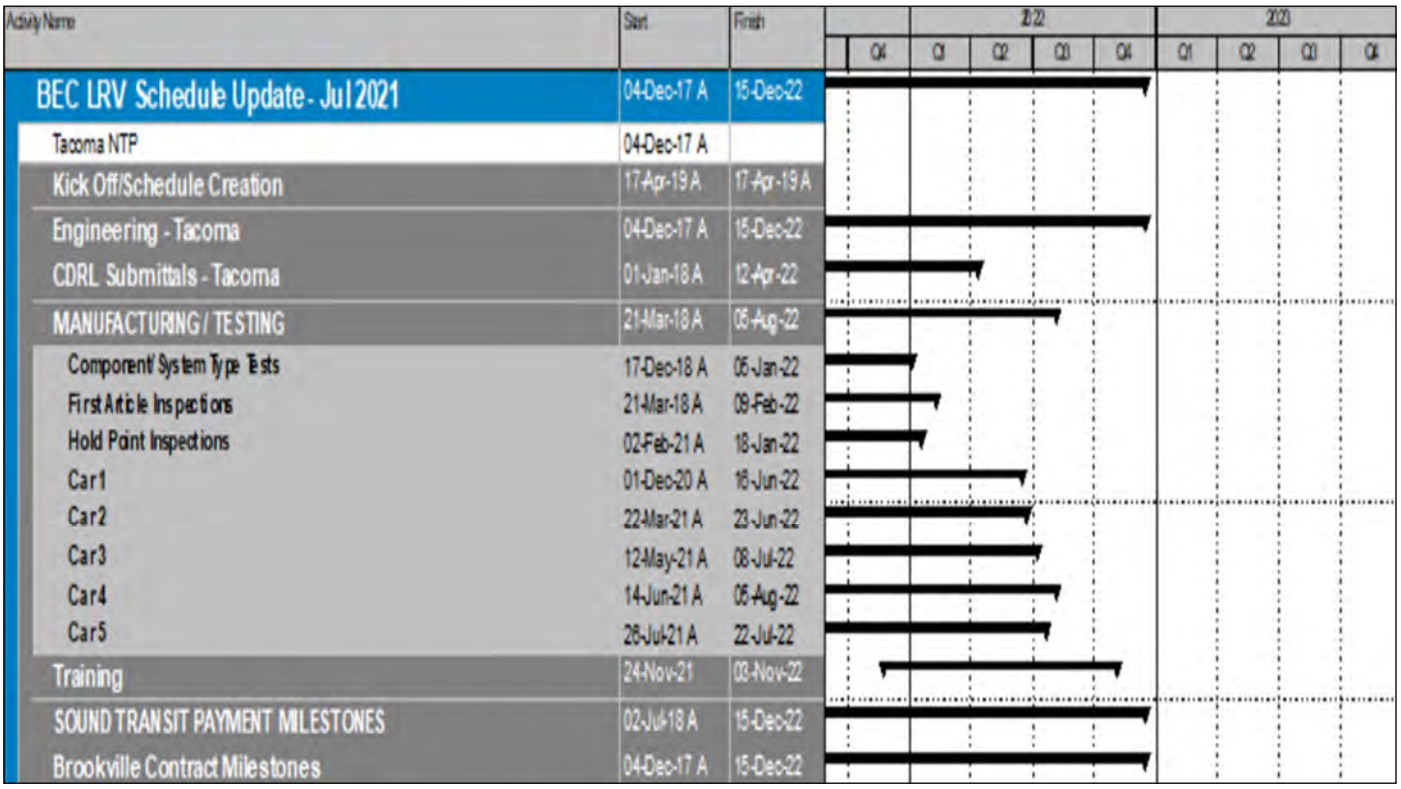
Current Progress

- Brookville continues working on long lead time issues material or components to prevent possible delays to raw material shortages from global impacts of COVID
- Finalize System Models & Final Vehicle Integration
- LRV #1, LRV #2 and LRV #3 are in final assembly of A, B and C cars and the manufacturing of truck assemblies
- LRV #4 and LRV #5 are in framing of A, B and C cars

Schedule Summary

The July 2021 submittal is represented in this reporting period. The August 2021 schedule submittal is still under review.

July 2021 Schedule forecasts delivery of the 1st car arriving at the OMF in Tacoma in Nov 2021. The 2nd LRV will arrive in late Dec 2021, with remaining LRVs shipping in late Q1 2022 , Aug 2021 Submittal shows impacts to LRV #1 ship date of approx. 3 week due to material issues.



Project Summary

Scope

The I-90 Two-Way Transit and HOV Operations (Stage 3) project provides approximately four miles of HOV lanes in each direction of the outer roadway between 80th Avenue South on Mercer Island and Rainier Avenue in Seattle. The project includes upgrades and retrofits to the fire, life, safety, and other systems in the Mount Baker and Mercer Island/First Hill tunnels. The project also includes remaining dowel bar retrofit work on the west side of Lake Washington, and the installation of screening on the shared–use pathway on the I-90 floating bridge.

Phase

Construction

Budget

$207.6 Million

Schedule

Construction Complete: December 2020 for Primary work; Third Party oversight to continue through 2025

Since June 2017, the project has provided 24/7 HOV access on I-90 between Seattle, Mercer Island and Bellevue.

Major Contracts

Group	Scope	Agreement/Contract Amount
WSDOT	PE	$ 1,549,003
WSDOT	Final Design	$ 18,022,756
WSDOT	CM Services	$ 43,192,664
IMCO	Construction	$132,409,000
City of Mercer Island	Transportation Mitigation	$10,050,000

Key Project Activities/Milestones

- **Civil Construction** – Ancillary construction: I-90 Catch Basin Lid & Frame Replacement: Substantial Completion granted 21-Aug-19; MBT Hydrant Cover Safety Restriping Substantial Completion granted 5-Jun-20
    - Final payment for R8A Construction & CM Services task order received by WSDOT; closeout of Construction Task Orders completed; Final Design task order closeout pending concurrence from WSDOT
- **Physical Completion, IMCO Contract** – Notification to be issued by WSDOT (pending)
- **Third Party Oversight (City of Mercer Island)** – Ongoing obligation through December 2025

Closely Monitored Issues

WSDOT executed a clear-all settlement change order with their contractor in May for the major construction contract work; Substantial Completion for that work was retroactively granted June 2017. All ancillary WSDOT construction work is substantially complete; the following items continue to be monitored at this time:

- City of Mercer Island litigation, Mercer Island Transportation Mitigation Agreement

Project Cost Summary

The following tables summarize the cost information for the I-90 Two-Way Transit and HOV Operations (Stage 3) project. Expenditures for the month of August were $5.0K, for ST staff charges. A Project budget reserve was realized, and $18.0M de-committed from the Project; tables below are in millions.

Cost Summary by Phase

Project Phase	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$3.6	$2.8	$2.5	$2.5	$2.8	$0.0
Preliminary Engineering	$1.5	$1.5	$1.5	$1.5	$1.5	$0.0
Final Design	$22.1	$19.4	$18.7	$18.4	$19.4	$0.0
Construction Services	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
3rd Party Agreements	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
Construction	$198.3	$183.9	$187.0	$177.5	$183.9	$0.0
Total	**$225.6**	**$207.6**	**$209.7**	**$199.9**	**$207.6**	**$0.0**

Cost Summary by SCC

SCC Element	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
40 Sitework & Special Conditions	$180.6	$183.9	$187.0	$177.5	$183.9	$0.0
80 Professional Services	$26.3	$23.6	$22.7	$22.5	$23.6	$0.0
90 Unallocated Contingency	$18.7	$0.2	$0.0	$0.0	$0.2	$0.0
Total	**$225.6**	**$207.6**	**$209.7**	**$199.9**	**$207.6**	**$0.0**

Tables in millions; totals may not equal column sums due to rounding of line entries.

Cost Contingency Management

In the table below, the Committed Allocated Contingency included WSDOT-controlled construction contingency plus total ST controlled allocated contingencies. Most of the remaining contingency was de-committed from the Project as the majority of work has been completed; current Total Contingency is just over $725K. Due to this reduction & overall reduction of Project budget, the percent of overall Current Contingency now comprises 9.4% of remaining total project budget.

Contingency Status	Baseline Amount	Baseline % of Total	Current Amount	CTG as % of Remaining Work Budgeted
Design Allowance	$0.0	0.0%	$0.0	0.0%
Committed Allocated Contingency	$17.0	7.5%	$0.6	7.1%
Unallocated Contingency	$18.7	8.3%	$0.2	2.3%
Total	**$35.7**	**15.8%**	**$0.7**	**9.4%**

Note: Totals may not equal column sums due to rounding of line entries.

Project Summary

Scope Design, manufacturing, assembly, inspection, testing and delivery of 152 low floor light rail vehicles for service requirements of Northgate, East Link and Lynnwood Link, Federal Way and Downtown Redmond Extensions.

Phase Manufacturing

Budget $740.7 Million (Baseline September 2015, Amended April 2017)

Schedule Project Completion: Q3 2024

Siemens Type 2 Link light rail vehicle

Key Project Activities

- Car# 278 delivered to Sound Transit .
- Car# 256, 258, 260, 264 have been Conditionally Accepted.
- Approval of train control subsystem qualification test report.
- Continued final assembly and fabrication of car shell at Siemens' Sacramento facilities.
- Spare parts; 50% of the spare parts have been delivered.

Car 277 on test track in Sacramento, CA

Car 220 on Burn In testing in Seattle, WA

Closely Monitored Issues

- OMF Central yard LRV storage capacity continues to be a potential issue. Series 2 LRVs delivery and ST onsite LRVs transportation plan between OMF East and OMF Central has been continuously manage & monitor.
- S700 LRVs availability for Northgate Link Extension revenue service & East Link Extension System Integration Tests are continue to be in discussion with all stakeholders.
- Manufacturer continue reporting supply chain interruptions impacting implementation of FMIs and submitted a general notice for COVID-19 pandemic impacts. Weekly production meeting with Siemens held to monitor progress.
- Coordination and scheduling of Automatic Train Protection (ATP) retrofit on Series 1 LRVs is more challenging than anticipated.

Project Cost Summary

The LRV Fleet Expansion Project has an approved baseline budget of $740.7M. The project cost is summarized into two cost tables. The first table is in accordance with Sound Transit's Work Breakdown Structure (WBS) displaying the cost summary by phase. The second table summarizes project cost by SCC, in accordance to the FTA Standard Cost Categories (SCC) format. Both tables show figures in millions.

The project total expenditure incurred to date is approximately $347.5M to which a majority of the cost is attributed to the vehicles phase of $332.1M. The current period expenditure is $16.7 is largely attributed to the increased rate for Conditional Acceptance of LRV after previously fallen behind plan. The remaining expenditures were attributed to engineering and inspection and administrative efforts.

Cost Summary by Phase

Project Phase	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$9.6	$9.6	$5.5	$5.2	$9.6	$0.0
Construction Services	$18.0	$18.0	$15.1	$10.2	$18.0	$0.0
Vehicles	$713.1	$713.1	$657.6	$332.1	$713.1	$0.0
Total	**$740.7**	**$740.7**	**$678.2**	**$347.5**	**$740.7**	**$0.0**

Cost Summary by SCC

SCC Elements	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Construction Subtotal (SCC 10 - 50)	**$0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**
60 ROW, Land, Existing Improvements	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
70 Vehicles	$705.3	$705.3	$668.4	$338.0	$705.3	$0.0
80 Professional Services	$23.2	$23.2	$9.8	$9.5	$23.2	$0.0
90 Contingency	$12.2	$12.2	$0.0	$0.0	$12.2	$0.0
Capital Total (SCC 10 - 90)	**$740.7**	**$740.7**	**$678.2**	**$347.5**	**$740.7**	**$0.0**

**Totals may not equal column sums due to rounding of line entries.*

Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility to continuously monitoring project status and associated risks. The project risk register for the third quarter is currently being refreshed.

There are no changes to the current top risks as listed below based on the last update:

- Competing demand for mainline access or SIT support adds time to routine LRV tests and acceptance.
- Competing demand for Extension's project simulated services, SIT and upcoming revenue service preparation reduces the availability of Operation labor and vehicle maintenance personnel in supporting Series 2 LRV routine tests and acceptance.
- ATP retrofit schedule has substantial impact on shipping LRVs #42-100.
- Limited OMF Central yard storage capacity in 2021 may affect recovery schedule, preventative maintenance or spares available to support peak service.
- Automatic Train Protection interface between ST1 vehicle ATP system and new ST2 vehicle ATP causing potential interface with wayside signal and on-board systems under investigation.
- COVID-19 remains a fluid situation and disruption to Siemen's supply chain and assembly plant.

Contingency Management

The project's budget was baselined in September 2015 and was amended in April 2016 to exercise the option LRV contained a total of $78.0M of Total Contingency. The project's Total Contingency is currently at $59.4M or about 14% of remaining work in the project.

Design Allowance (DA) was established to account for unquantified scope at the time of the cost estimate. This project contains $0 design allowance.

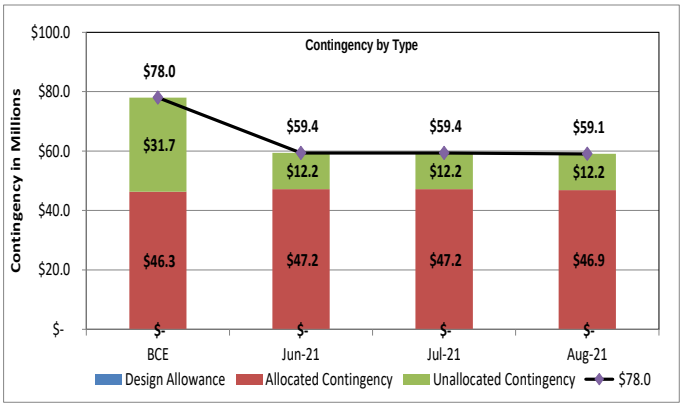
Allocated Contingency (AC) is used to address risks, complexity and unforeseen conditions during the execution of work, including procurement. The project baseline's allocated contingency was $46.3M. In August AC was effectively drew approximately about $0.3M from $47.2 to $46.9M.

Unallocated Contingency (UAC) is used to address general project-wide cost risks and uncertainties. The UAC for August remains unchanged at $12.2M.

Contingency Status (Monthly)

Contingency Status	Baseline		Current	
	Amount	% of Total Budget	Remaining Amount	% of Work Remaining
Design Allowance	$ -	0.0%	$ -	0.0%
Allocated Contingency	$ 46.3	6.3%	$ 46.9	11.9%
Unallocated Contingency	$ 31.7	4.3%	$ 12.2	3.1%
Total	**$78.0**	**10.7%**	**$ 59.1**	**15.0%**

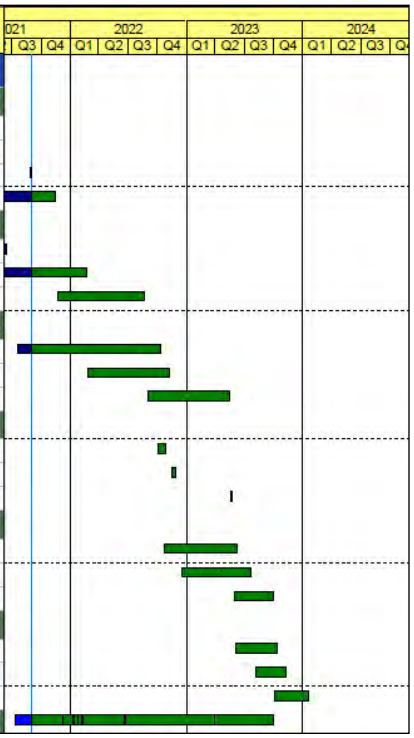
Contingency by Type



Project Schedule

The schedule below is a summary schedule identifying the factory testing, delivery and conditional acceptance testing of Light Rail Vehicles for each project as reported from the Siemen's monthly schedule update. As of August 2021, all vehicles are expected to be available for Pre-Revenue Service testing at each of the projects identified below, Northgate Link has reduced the number of cars to commence revenue service to 24 cars based on current ridership. A summary bar for the ATP retrofit of the Kinkisharyo cars has been added for monitoring. ATP retrofit installation and testing is not expected to complete until late Q3 2023

Activity Name	Start	Finish
ST LRV Fleet Expansion - Siemens Summary by LINK Contract	31-Aug-18 A	19-Jan-24
Northgate Link - LRV Summary (Car #1 - #40)	31-Aug-18 A	17-Nov-21
LRV Factory Test - Northgate Summary	31-Aug-18 A	27-Feb-20 A
LRV Delivery to OMF - Northgate Summary	29-Aug-19 A	26-Feb-21 A
24 LRV's conditionally accepted	31-Aug-21 A	31-Aug-21 A
LRV Conditional Acceptance - Northgate Summary	30-Mar-21 A	17-Nov-21
East Link - LRV Summary (Car #41-#86)	28-Feb-20 A	22-Aug-22
LRV Factory Test - East Link Summary	28-Feb-20 A	11-Jun-21 A
LRV Delivery to OMF - East Link Summary	24-May-21 A	21-Feb-22
LRV Conditional Acceptance - East Link Summary	24-Nov-21	22-Aug-22
Lynnwood Link - LRV Summary (Car #87-#120)	19-Jul-21 A	15-May-23
LRV Factory Test - Lynnwood Summary	19-Jul-21 A	10-Oct-22
LRV Delivery to OMF - Lynnwood Summary	23-Feb-22	09-Nov-22
LRV Conditional Acceptance - Lynnwood Summary	01-Sep-22	15-May-23
Extra - LRV Summary (Car #121-#122)	03-Oct-22	25-May-23
LRV Factory Test - Extra Summary	03-Oct-22	27-Oct-22
LRV Delivery to OMF - Extra Summary	17-Nov-22	29-Nov-22
LRV Conditional Acceptance - Extra Summary	19-May-23	25-May-23
Federal Way Link- LRV Summary (Car #123-#142)	24-Oct-22	29-Sep-23
LRV Factory Test - Federal Way Summary	24-Oct-22	09-Jun-23
LRV Delivery to OMF - Federal Way Summary	16-Dec-22	21-Jul-23
LRV Conditional Acceptance - Federal Way Summary	01-Jun-23	29-Sep-23
Downtown Redmond Link- LRV Summary (Car #143-#152)	06-Jun-23	19-Jan-24
LRV Factory Test - Downtown Redmond Summary	06-Jun-23	11-Oct-23
LRV Delivery to OMF - Downtown Redmond Summary	10-Aug-23	08-Nov-23
LRV Conditional Acceptance - Downtown Redmond Summary	05-Oct-23	19-Jan-24
LRV ATP Retrofit Summary - Siemens	12-Jul-21 A	29-Sep-23



LRV Delivery and Testing Progress as of August 31, 2021				
LRV status	Received / Delivered	Testing in progress	Conditionally Accepted	Entered Revenue Service
Planned	84	20	64	64
Actual (Seattle)	40	14	26	26
Actual (Bellevue)	7	0	0	0

Critical Path Analysis

The critical path is completing the on-site Vehicle Performance Qualification Test and Acceptance Testing and Burn-In of all LRVs that have been delivered to Sound Transit site. Car 214 is the main test vehicle and Car 204 is needed for test requiring multiple cars.

Delivery and Conditional Acceptance Testing of all 24 light rail vehicles required for Northgate Link has been completed to support the Revenue Service. The planned deliveries, commissioning and testing of light rail vehicles are anticipated to be complete by September 2024. As well as on time for the start of Pre-Revenue Service for each of the new extension lines: East Link, Lynnwood Link, Federal Way Link and Downtown Redmond Link.

Activity Name
Start
Finish
2021
2022
2023
2024
Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4
ST LRV Fleet Expansion - Siemens Summary by LINK Contract 30-Mar-21 A 19-Jan-24
Northgate Link - LRV Summary (Car #1 - #40) 30-Mar-21 A 17-Nov-21
LRV Conditional Acceptance - Northgate Summary 30-Mar-21 A 17-Nov-21
East Link - LRV Summary (Car #41-#86) 24-Nov-21 22-Aug-22
LRV Conditional Acceptance - East Link Summary 24-Nov-21 22-Aug-22
Lynnwood Link - LRV Summary (Car #87-#120) 01-Sep-22 15-May-23
LRV Conditional Acceptance - Lynnwood Summary 01-Sep-22 15-May-23
Extra - LRV Summary (Car #121-#122) 19-May-23 25-May-23
LRV Conditional Acceptance - Extra Summary 19-May-23 25-May-23
Federal Way Link- LRV Summary (Car #123-#142) 01-Jun-23 29-Sep-23
LRV Conditional Acceptance - Federal Way Summary 01-Jun-23 29-Sep-23
Downtown Redmond Link- LRV Summary (Car #143-#152) 05-Oct-23 19-Jan-24
LRV Conditional Acceptance - Downtown Redmond Summary 05-Oct-23 19-Jan-24
LRV ATP Retrofit Summary - Siemens

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

The planned FTE monthly average is the monthly annualized average of 12 months; whereas the YTD monthly average only reflects actuals through August of 2021. Effectively the variance gap should trend closer to plan average as the year progresses; however, due to fluidity of the situation with COVID-19, it is hard to predict how the annual plan will unfold accordingly.

Resource Type	Planned FTE Monthly Average*	YTD Actual FTE Monthly Average	Variance
ST Staff	9.5	6.1	(1.2)
Consultants	7.8	7.6	0.1
TOTAL	17.3	13.7	(1.1)
An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.			

Sound Transit Board Actions

Board Action	Description	Date
	None to report this period.	

Link Light Rail
Link Operations & Maintenance Facility: East

Project Summary

Scope

The Link Operations and Maintenance Facility: East (OMF East) project, located in the City of Bellevue, includes a 145,000 SF OMF building plus a 35,000 SF MOW Building that will maintain, store and deploy and expanded light rail fleet, including seven LRV service bays, a LRV wash facility and storage for up to 96 LRVs.

Phase

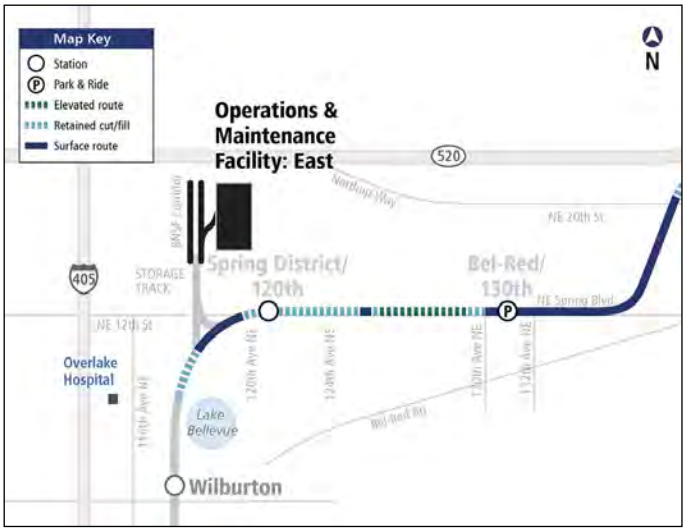
Substantial Completion

Budget

$449.2 Million (Baselined July 2016)

Schedule

Substantial Completion Achieved: December 2020



Map of OMF East Site

Key Project Activities

- Post Acceptance monitoring of facilities.
- Global Change Order Settlement has been executed.

Closely Monitored Issues

- Submittal of complete and acceptable as-built drawings.

Risk Management

Substantial Completion was achieved in December 2020. OMFE has been turned over to Operations. Some residual risk remains within the project are actively monitored and others have been transferred over to Operations for their monitoring. The final risk register was last updated in June 2021. The residual risk on the project are as follows:

- **Scope**: Scope Interfaces with E750 Systems when ELE has to integrate OMF East with OMF Central through East Link.
- **Start Up:** Closure of open items and workarounds on and various punch list items, as well as miscellaneous follow on scope satisfactorily transition over to Operations as well as East Link tie in in 2022.

OMFE Site

Project Cost Summary

The Baseline Budget (July 2016) for the OMF East is $449.2M. The OMF East cost is summarized into two cost tables. The first table is in accordance with Sound Transit's Work Breakdown Structure (WBS) displaying the cost summary by phase. The second table summarizes project cost by SCC, in accordance to the FTA Standard Cost Categories (SCC) format. Both tables show figures in millions.

The Estimated Final Costs (EFC) continues to be projected at approximately $449.2M but there is high probability that there will be savings. The project is currently finalizing the anticipated savings. This period's project expenditure topped out at about $1.1M. The total project cost incurred increased from approximately $376.3M to $377.4M. The majority of the cost are driven by the continue close out of commercial issues in the Construction phase.

Cost Summary by Phase

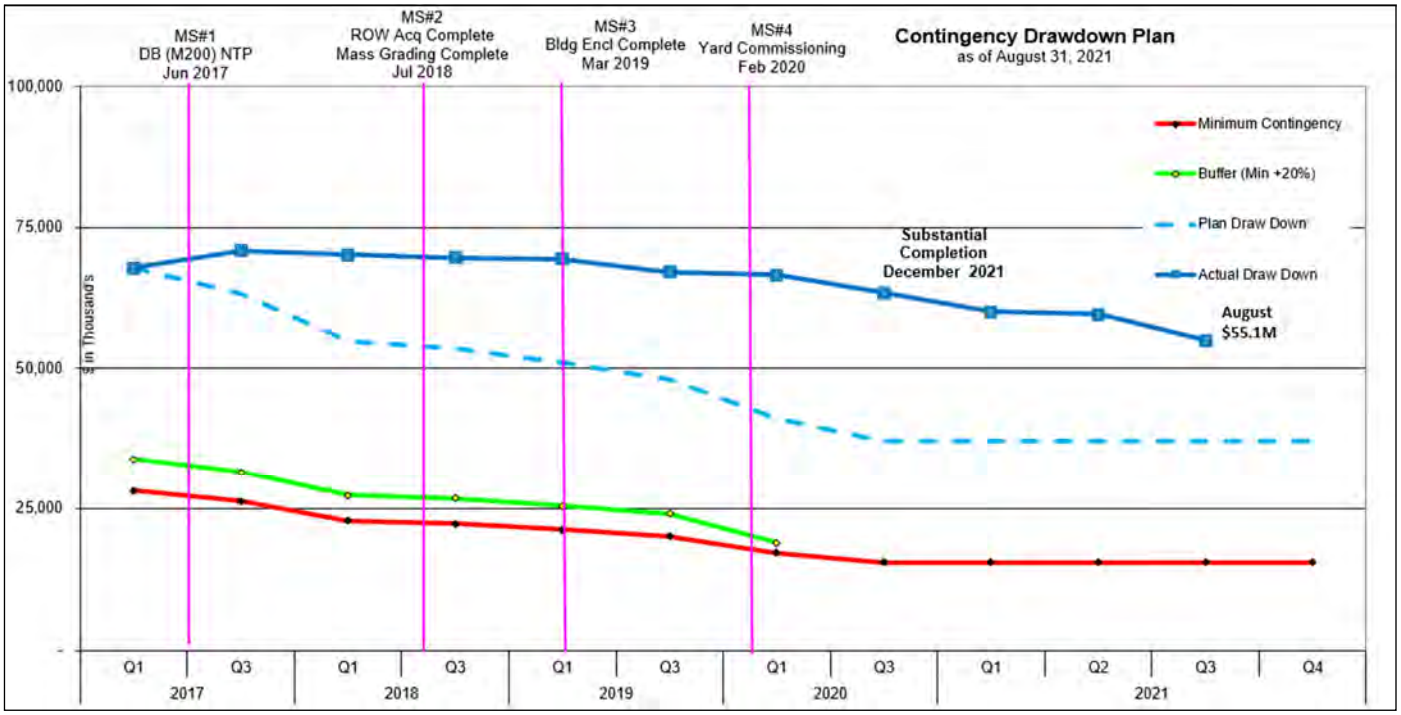
Project Phase	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$17.6	$17.6	$10.3	$10.3	$17.6	$0.0
Preliminary Engineering	$9.5	$9.5	$8.7	$8.7	$9.5	$0.0
Final Design	$0.4	$0.4	$0.0	$0.0	$0.4	$0.0
Construction Services	$19.3	$19.3	$17.6	$17.4	$19.3	$0.0
3rd Party Agreements	$3.1	$3.1	$0.3	$0.1	$3.1	$0.0
Construction	$264.8	$264.8	$239.6	$238.3	$264.8	$0.0
ROW	$134.5	$134.5	$102.7	$102.6	$134.5	$0.0
Total	**$449.2**	**$449.2**	**$379.3**	**$377.4**	**$449.2**	**$0.0**

Cost Summary by SCC

SCC Element	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
10 Guideway & Track	$2.6	$4.4	$4.3	$4.2	$4.3	$0.1
20 Stations	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
30 Support Facilities: Yard, Shop	$140.1	$136.1	$133.9	$136.7	$141.6	-$5.5
40 Sitework & Special Conditions	$43.6	$48.5	$43.0	$40.5	$45.3	$3.2
50 Systems	$43.0	$41.6	$41.2	$39.8	$41.2	$0.4
Construction Subtotal (10 - 50)	**$229.3**	**$230.6**	**$222.4**	**$221.2**	**$232.4**	**-$1.8**
60 ROW, Land, Improvements	$134.5	$134.5	$102.7	$102.6	$134.5	$0.0
70 Vehicles	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
80 Professional Services	$71.6	$70.3	$54.3	$53.7	$68.5	$1.8
90 Unallocated Contingency	$13.8	$13.8	$0.0	$0.0	$13.8	$0.0
Total (10 - 90)	**$449.2**	**$449.2**	**$379.3**	**$376.3**	**$449.2**	**$0.0**

Contingency Drawdown

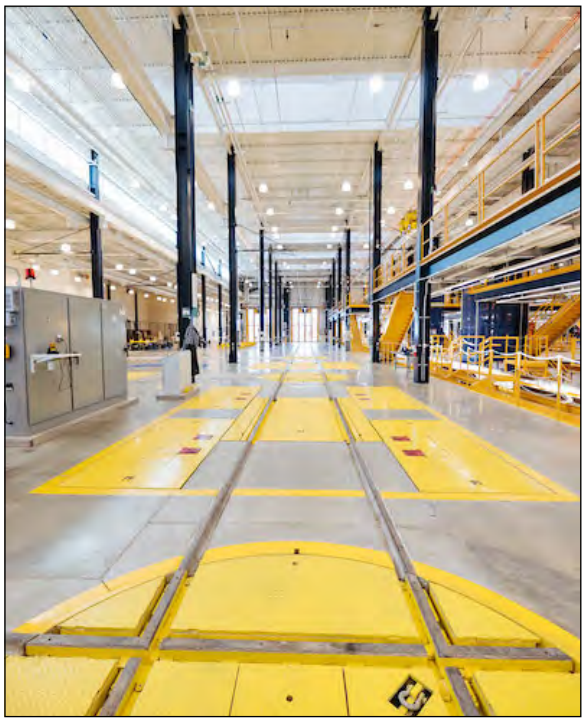
At Substantial Completion in December 2020, OMF East Project's total contingency drawdown plan remained positively. Project contingency at juncture are expected to remain positive with total contingencies balance in August 2021 at approximate $55.1M (previous quarter at $59.7M) and remains above all the baseline draw down projection and well above both the minimum contingency and the buffered (minimum plus 20%) contingency levels. Surplus in this project is expected.



Contract M200 - OMF East Design Build Cost Summary

Present Financial Status	Amount
M200 Contractor – Hensel Phelps	
Original Contract Value	$218,912,000
Change Order Value	$15,804,603
Current Contract Value	$234,716,603
Total Actual Cost (Incurred to Date)	$234,007,107
Percent Complete	99.7%
Authorized Contingency	$21,891,200
Contingency Drawdown	$11,729,603
*Contingency Index	1.3

**Excludes Betterments*



Operations and Maintenance Facility East in Bellevue

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. This annual projection remains constant from month to month for the year. The Year-to-Date (YTD) FTE represents the total actual accumulated through this reporting period. Staffing status is summarized in the following table.

The planned FTE monthly average is the monthly annualized average; whereas, the YTD monthly average only reflects average actuals through August of 2021 and is anticipated to average down as the year progress ahead.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	5.2	6.8	1.6
Consultants	2.8	11.9	9.1
TOTAL	8.0	18.7	10.7

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

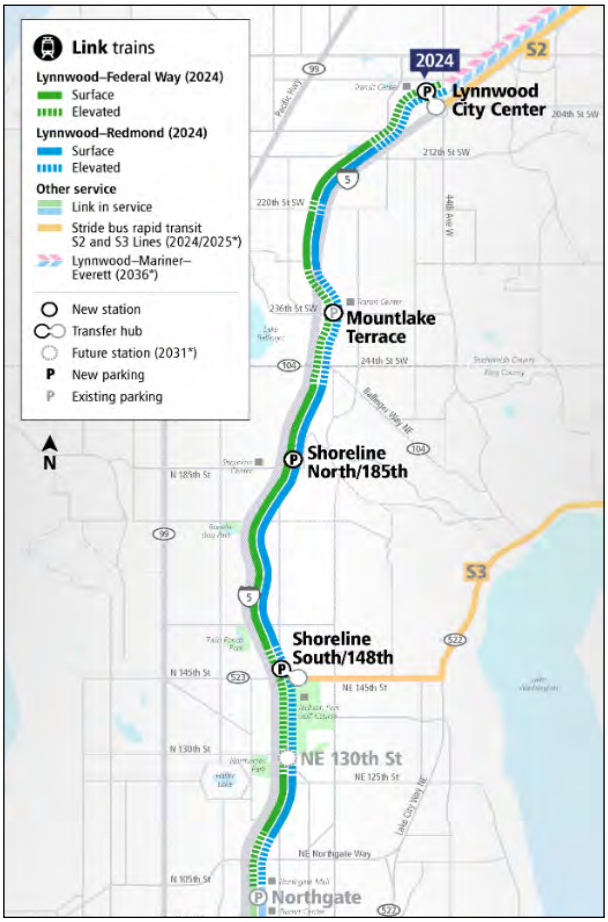
Sound Transit Board Actions

Board Action	Description	Date
	None to report this period.	

Project Summary

Scope

Limits	North Seattle to Shoreline, Mountlake Terrace, and Lynnwood Transit Center
Alignment	Lynnwood Link extends light rail 8.5 miles to Snohomish County along I-5 from Northgate Mall in Seattle to the Lynnwood Transit Center, with four new light rail stations. The configuration includes at-grade, elevated, and retained cut/fill guideway.
Stations	Shoreline South/148th Shoreline North/185th Mountlake Terrace Lynnwood City Center
Systems	Signals, traction power, communications, and SCADA.
Phase	Construction
Budget	$2.772 Billion (Baseline May 2018)
Schedule	Revenue Service: July 2024



Map of Lynnwood Link Extension Alignment.

Key Project Activities

- Continued concrete placement for column caps, placement of prestressed concrete girders and elevated deck concrete for the aerial guideway, in addition to continued wall construction work on both civil contracts.
- Continued construction of the Shoreline South / 148th Station and Parking Garage, with barrier walls and other finish work following the final garage slab placement and work on the station stairs, platform and other structures (L200).
- Continued construction of the Shoreline North / 185th Station and Parking Garage including first level garage deck placement (L200).
- Continued construction of the Mountlake Terrace Station, including station escalator and stair tower work and interior finish work on the ancillary buildings (L300).

Closely Monitored Issues

- Projects for utility infrastructure, local roadway and street improvements, and private development near the station sites are being monitored for coordination purposes.
- Milestone dates for guideway handovers to the L800 systems contractor are under active review based on station, garage and wall construction progress.
- Labor availability in quantities necessary to prosecute the scope of the civil projects, particularly carpenters, teamsters and ironworkers.

Project Cost Summary

The project cost is summarized below in two cost categories. The first table summarizes costs in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The second table summarizes costs in accordance with the FTA's Standard Cost Categories (SCC) format. The figures in both tables are shown in millions.

In August 2021, $52.0M was incurred. The major project expenditures were for civil & systems construction, construction management, and design services during construction. The remaining expenditures were for right-of-way, third party coordination, and staff.

Cost Summary by Phase

Project Phase	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$98.2	$98.2	$49.9	$49.4	$98.2	$0.0
Preliminary Engineering	$39.1	$39.1	$39.1	$39.1	$39.1	$0.0
Final Design	$164.2	$164.2	$142.4	$133.6	$164.2	$0.0
Construction Services	$128.4	$128.4	$110.2	$64.6	$128.4	$0.0
3rd Party Agreements	$14.6	$17.6	$12.8	$10.5	$17.6	$0.0
Construction	$1,921.4	$2,094.6	$1,902.2	$950.9	$2,094.6	$0.0
Light Rail Vehicles	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
ROW	$235.7	$229.7	$182.4	$172.0	$229.7	$0.0
Project Contingency	$170.2	$0.0	$0.0	$0.0	$0.0	$0.0
Total	**$2,771.6**	**$2,771.6**	**$2,438.9**	**$1,420.1**	**$2,771.6**	**$0.0**

Cost Summary by SCC

SCC Element	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
10 Guideway & Track	$791.8	$1,002.2	$680.8	$342.0	$793.5	$208.7
20 Stations	$333.8	$333.8	$412.9	$176.0	$432.7	-$98.9
30 Support Facilities	$2.0	$2.0	$0.2	$0.1	$2.0	$0.0
40 Sitework & Special Conditions	$421.1	$426.2	$603.8	$389.5	$564.3	-$138.2
50 Systems	$244.4	$244.4	$194.4	$37.2	$216.1	$28.4
Construction Subtotal (10 - 50)	**$1,793.0**	**$2,008.5**	**$1,892.1**	**$944.7**	**$2,008.5**	**$0.0**
60 ROW, Land	$235.7	$229.7	$182.4	$172.0	$229.7	$0.0
70 Vehicles (Non-Revenue)	$1.4	$1.4	$0.0	$0.0	$1.4	$0.0
80 Professional Services	$449.3	$448.6	$364.4	$303.3	$448.6	$0.0
90 Unallocated Contingency	$292.2	$83.4	$0.0	$0.0	$83.4	$0.0
Total (10 - 90)	**$2,771.6**	**$2,771.6**	**$2,438.9**	**$1,420.1**	**$2,771.6**	**$0.0**

Contingency Management

The Lynnwood Link project budget was baselined in May 2018 with a total contingency of $737.7 M.

Design Allowance (DA) was established to account for unquantified scope at the time of the cost estimate. DA was fully drawn down when all construction contract packages reached the 100% design level.

Allocated Contingency (AC) is used to address risks, complexity and unforeseen conditions during the execution of work, including procurement.

Unallocated Contingency (UAC) is used to address general project-wide cost risks and uncertainties.

Following a significant drawdown in project contingency in Q2/Q3 2019, Sound Transit revised the contingency forecast to align with the cash flow forecast of the major civil contracts.

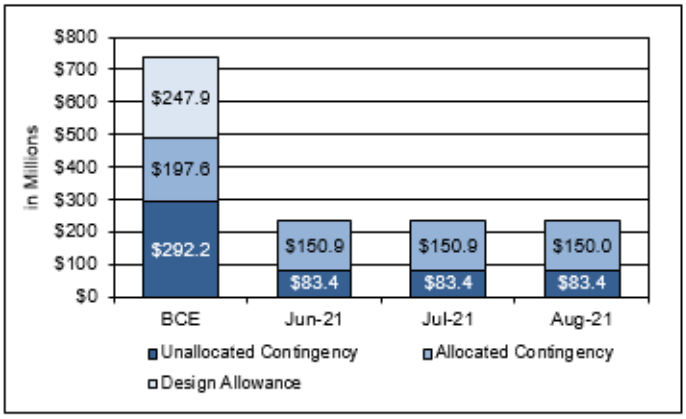
During the current period, Allocated Contingency decreased by a net amount of $900k due to construction change orders.

Contingency Status

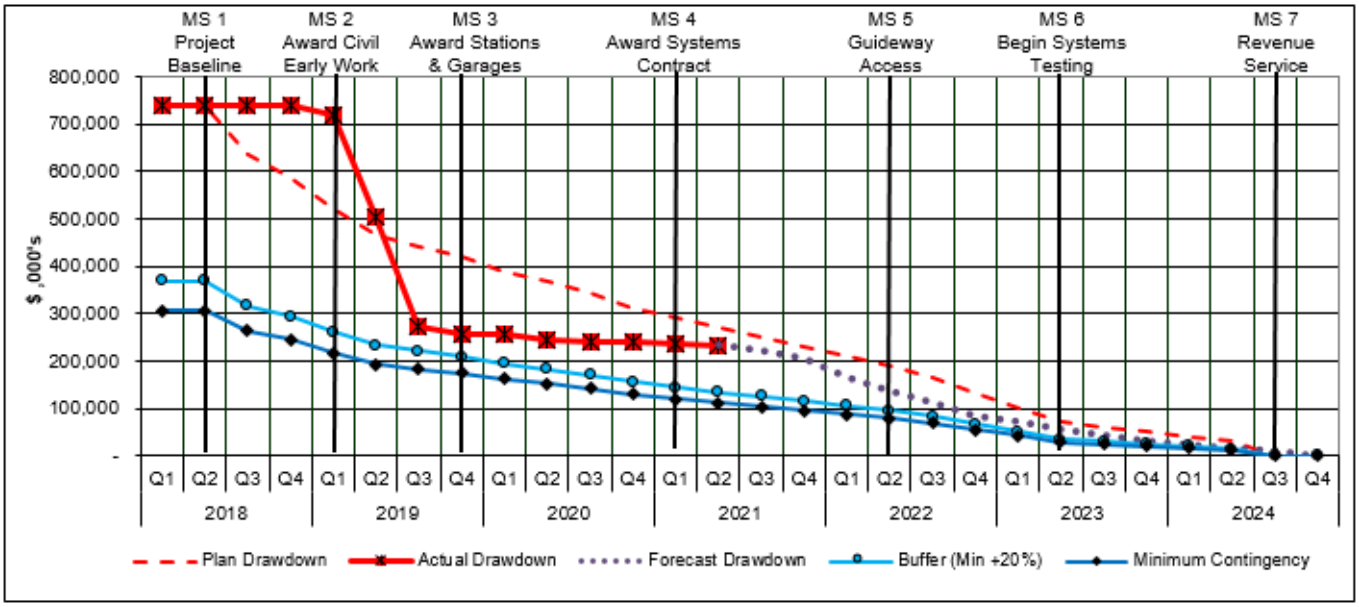
Type	Baseline		Current Status	
	Amount	% of Total Budget	Remaining Amount	% of Work Remaining
Design Allowance	$247.9	8.9%	$0.0	0.0%
Allocated Contingency	$197.6	7.1%	$150.0	11.1%
Unallocated Contingency	$292.2	10.5%	$83.4	6.2%
Total:	**$737.7**	**26.6%**	**$233.4**	**17.3%**

Table figures are shown in millions.

Contingency by Type



Contingency Drawdown



Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks. It is Sound Transit's responsibility to continuously monitor project status and associated risks.

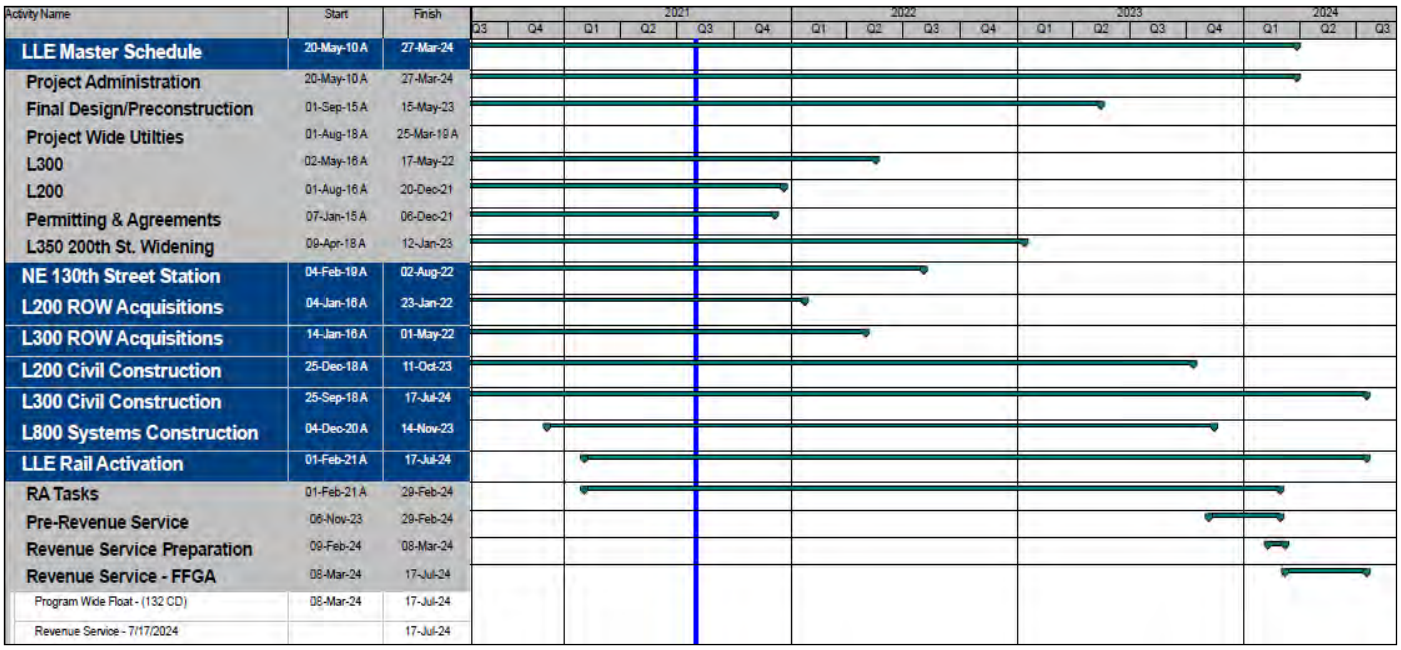
The most recent quantitative risk workshop was held in Q1 2021; the next is planned for Q2 2022.

The following are the top project risks:

- Availability and budget for ongoing design support during the construction phase.
- Availability of adequate electrical power for the Shoreline South / 148th station, garage and nearby Traction Power Substation (TPSS) in time to support testing in Q1 2022.
- Requests from third parties / AHJs for additional scope as part of permit inspections / approvals.
- Differing site conditions identified during construction.
- Maintaining positive relationships with GC/CM contractors and culture of collaboration for each contract.

Project Schedule

The Master Schedule has been updated through July at this time. The L200 July schedule update has been submitted and is under review. The L300 schedule has been updated through August, as has the L800 schedule. The project team is continuing to work with the L200 contractor to bring their schedule up to date, with goal of being caught up with updates for September. It not anticipated that project float or the Revenue Service date will be adversely impacted.

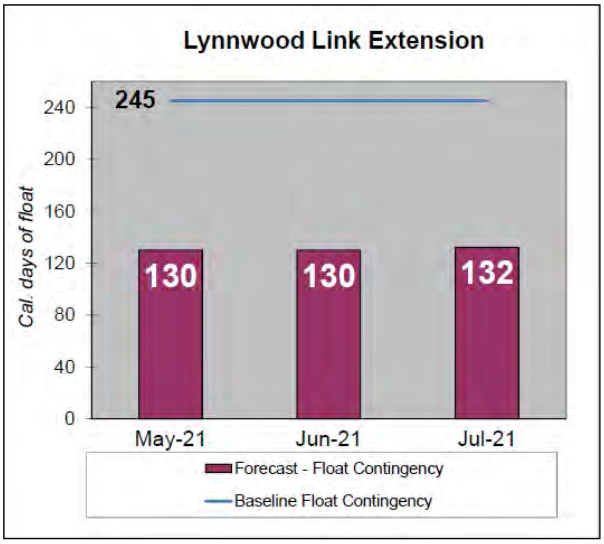

Activity Name
Start
Finish
2021
2022
2023
2024
Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3
LLE Master Schedule 20-May-10 A 27-Mar-24
Project Administration 20-May-10 A 27-Mar-24
Final Design/Preconstruction 01-Sep-15 A 15-May-23
Project Wide Utilties 01-Aug-18 A 25-Mar-19 A
L300 02-May-16 A 17-May-22
L200 01-Aug-16 A 20-Dec-21
Permitting & Agreements 07-Jan-15 A 06-Dec-21
L350 200th St. Widening 09-Apr-18 A 12-Jan-23
NE 130th Street Station 04-Feb-19 A 02-Aug-22
L200 ROW Acquisitions 04-Jan-16 A 23-Jan-22
L300 ROW Acquisitions 14-Jan-16 A 01-May-22
L200 Civil Construction 25-Dec-18 A 11-Oct-23
L300 Civil Construction 25-Sep-18 A 17-Jul-24
L800 Systems Construction 04-Dec-20 A 14-Nov-23
LLE Rail Activation 01-Feb-21 A 17-Jul-24
RA Tasks 01-Feb-21 A 29-Feb-24
Pre-Revenue Service 06-Nov-23 29-Feb-24
Revenue Service Preparation 09-Feb-24 08-Mar-24
Revenue Service - FFGA 08-Mar-24 17-Jul-24
Program Wide Float - (132 CD) 08-Mar-24 17-Jul-24
Revenue Service - 7/17/2024 17-Jul-24

Project Float

The Lynnwood Link Extension was baselined with 245 days of project float. Currently, the project is calculated to have 132 days remaining between completion of work and the 17-Jul-2024 revenue service date. While the float has remained relatively steady this period, ST is continuing to work with the L200 contractor to improve the accuracy of the forecast for the work.

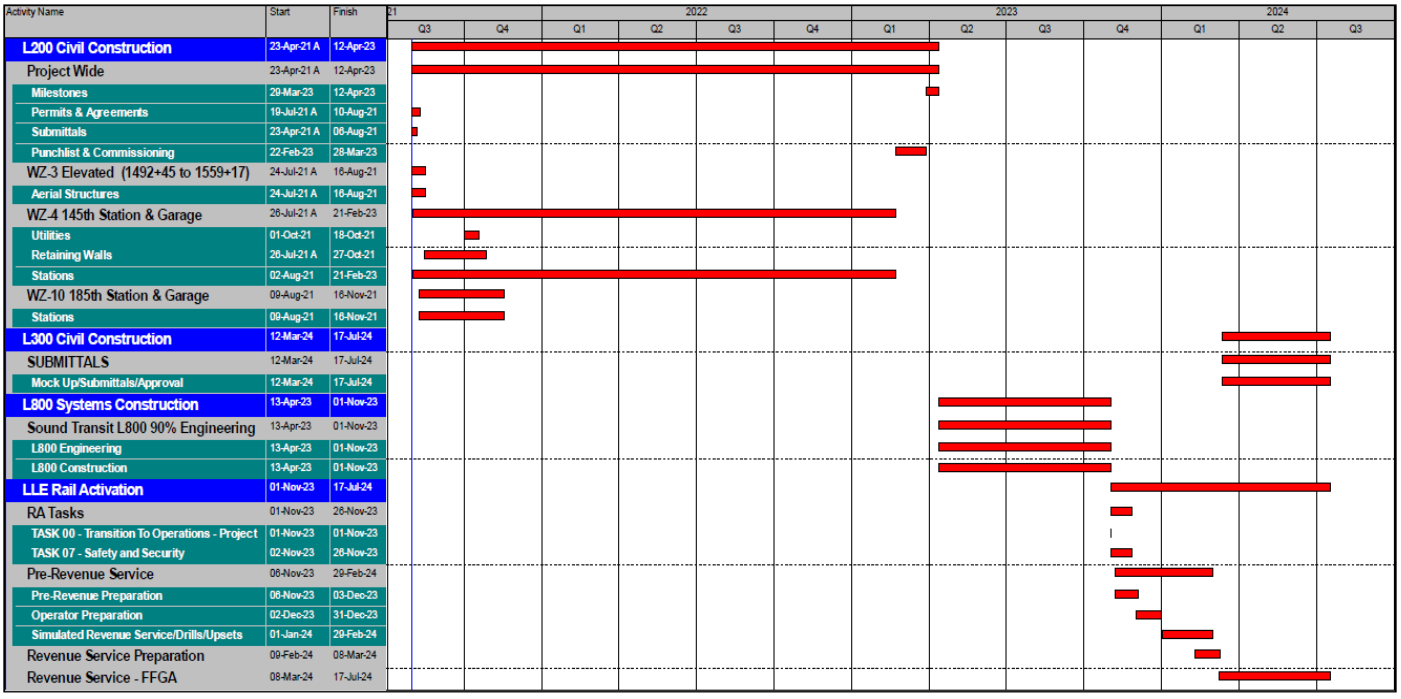
Due to the late submission of the L200 schedule update, which is still under review, a float value for August cannot be reported at this time.

The impact of the COVID-19 shutdown is continues to be assessed, and is not reflected in these figures.



Critical Path Analysis

The critical path for the Lynnwood Link Extension continues to be the L200 contract. The path currently runs through the Shoreline South/148th station, followed by construction of trackwork, and turnover of the guideway to the L800 contractor. Sound Transit is continuing to work with L200 contractor to resolve outstanding issues noted in the prior schedule submittals. This path remains subject to change with the assessment of COVID-19 impacts and resolution of outstanding planning issues.



Community Engagement

Distributed construction alerts via project page, .gov list server, email and door to door for the following activities around the project site, including:

- Night time off-ramp closures, including 1st Avenue NE, NE Northgate Way, NE 103rd Street, NE 107th Street, and northbound I-5 to NE 145th Street off-ramp (Exit 175) in Seattle, and NE 175th Street in Shoreline.
- Night work on NE 185th Street from 8th Avenue NE to 5th Avenue NE, near Shoreline Stadium in Shoreline.
- Closures on NE 189th Street, NE 185th Street and 5th Avenue NE in Shoreline.
- 236th Street SW night time closures in Mountlake Terrace.
- Night Closure of Northbound I-5 for the I-5 overcrossing concrete placement.
- Overnight closure of 44th Avenue W.

Community Engagement staff also completed two Temporary Construction Easement closeouts and hosted three property owner meetings.

Right-of-Way

The Right-of-Way effort for this project involves the acquisition of a range of property interests which includes compensable (e.g. fee acquisitions, guideway easements, permanent and temporary construction easements) and non-compensable rights (e.g. rights of entry). These acquisitions will result in owner and tenant residential and commercial relocations. The Right-of-Way program status for this period is summarized in the following table.

Lynnwood Link Extension Property Acquisition Status					
ACQUISITION				RELOCATION	
Total Acquisitions	Board Approved	Offers Made to date	Closings to date *	Relocations Required	Relocations Completed to date
363	400	783	744	387	381

*All numbers are cumulative totals, except where noted. Number of totals may differ from other reports due to the timing of reporting periods. The number of Offers Made are inclusive of offers made to separate owners or interest holders. These numbers will exceed the number of Board Approved parcels. Number of relocations exclude moves that are personal property only. *Total number of parcels available for construction = 322.*

Sound Transit Board Actions

Board Action	Description	Date
	None to report this period.	

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual average FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

Less ST staff, but more consultant staff than planned has been needed for civil final design, design services during construction, and construction management.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	42.5	35.5	(7.0)
Consultants	89.0	106.5	17.5
TOTAL	131.5	142.0	10.5

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Construction Safety

Data/Measure	August 2021	Year to Date	Project to Date
Recordable Injury/Illness Cases	1	12	26
Days Away From Work Cases	0	2	4
Total Days Away From Work	0	25	60
First Aid Cases	1	26	62
Reported Near Mishaps	3	25	47
Average Number of Employees on Worksite	695	-	-
Total # of Hours (GC & Subs)	177,200	1,287,939	2,453,957
OSHA Incident Rates	**August 2021**	**Year to Date**	**Project to Date**
Recordable Injury Rate	1.13	1.86	2.12
LTI Rate	0.00	0.31	0.33
Recordable National Average	**2.8**		
LTI National Average	**1.1**		
Recordable WA State Average	**5.7**		
LTI WA State Average	**2.0**		

Note: Due to the timing of contractor's reporting periods, the current month's numbers above are a combination of actuals and estimates. All previous months' numbers are reconciled and replaced with actuals.

Contract L200 GC/CM—Northgate to NE 200th Street

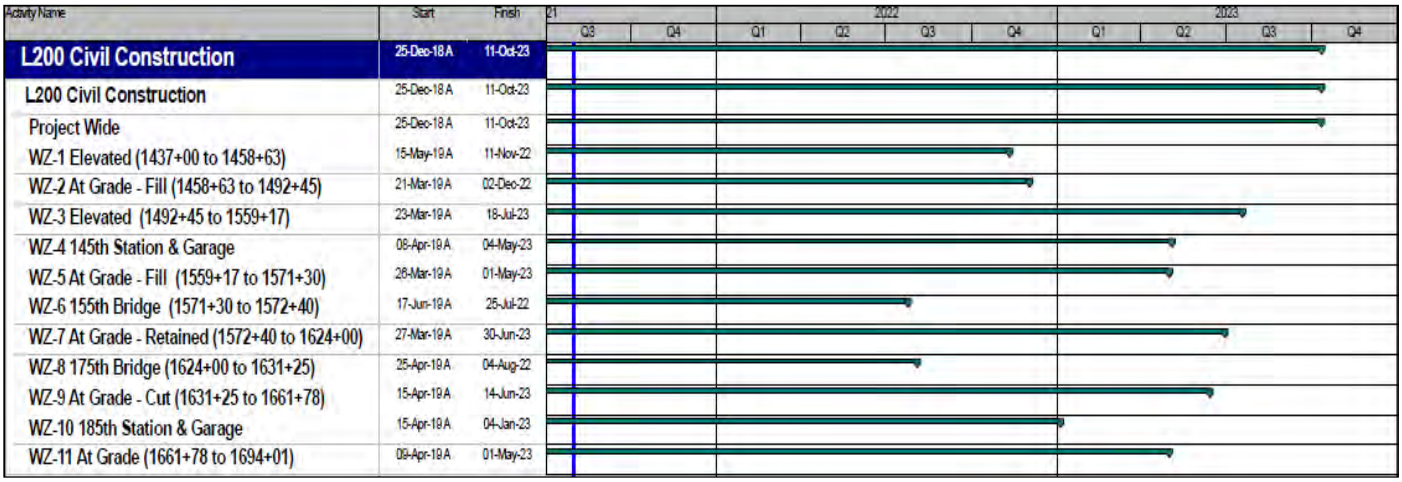
Current Progress

The L200 Contractor, Stacy & Witbeck– Kiewit– Hoffman JV (SKH), is continuing work on site as follows:

- Continued Mechanically Stabilized Earth (MSE) retaining wall construction.
- Continued installation of concrete decks, curbs and end diaphragms for the elevated guideway.
- Completed barrier walls and column stubs at level 6 of the 148th garage.
- Commenced conduit installation at the 148th station.
- Continued 185th garage level 1 concrete placement.
- Continued 185th station south ancillary building footings concrete placement and began elevator steel framing installation.

Schedule Summary

The July update forecasts an August 25, 2023 substantial completion date, 39 calendar days later than the contractual milestone date of July 18, 2023. Within the L200 contract schedule, the critical path is driven by construction of the elevated guideway and 148th St. Station. This update, submitted for July, contains extensive changes that are currently under review. ST is continuing to work with SKH toward an acceptable schedule.

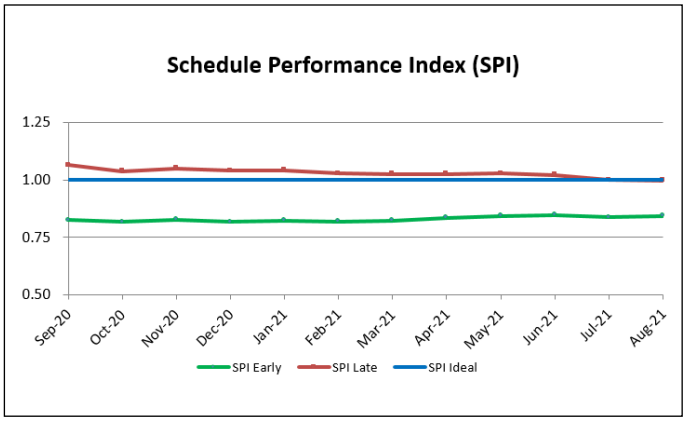

Activity Name
Start
Finish
21
2022
2023
Q3
Q4
Q1
Q2
Q3
Q4
Q1
Q2
Q3
Q4
L200 Civil Construction 25-Dec-18 A 11-Oct-23
L200 Civil Construction 25-Dec-18 A 11-Oct-23
Project Wide 25-Dec-18 A 11-Oct-23
WZ-1 Elevated (1437+00 to 1458+63) 15-May-19 A 11-Nov-22
WZ-2 At Grade - Fill (1458+63 to 1492+45) 21-Mar-19 A 02-Dec-22
WZ-3 Elevated (1492+45 to 1559+17) 23-Mar-19 A 18-Jul-23
WZ-4 145th Station & Garage 08-Apr-19 A 04-May-23
WZ-5 At Grade - Fill (1559+17 to 1571+30) 26-Mar-19 A 01-May-23
WZ-6 155th Bridge (1571+30 to 1572+40) 17-Jun-19 A 25-Jul-22
WZ-7 At Grade - Retained (1572+40 to 1624+00) 27-Mar-19 A 30-Jun-23
WZ-8 175th Bridge (1624+00 to 1631+25) 25-Apr-19 A 04-Aug-22
WZ-9 At Grade - Cut (1631+25 to 1661+78) 15-Apr-19 A 14-Jun-23
WZ-10 185th Station & Garage 15-Apr-19 A 04-Jan-23
WZ-11 At Grade (1661+78 to 1694+01) 09-Apr-19 A 01-May-23

Schedule Performance Index

Early SPI represents progress against an optimistic version of the contract baseline schedule. This period, the early SPI is 0.84 (no change from last period).

Late SPI represents progress against a more conservative schedule. This period, the late SPI is 1.00 (decrease from last period).

The SPI indicates progress is trending behind the optimistic schedule dates, but close to plan compared to the late dates.



Work Zone Overview

Next Period Activities:

- Continue concrete placement of deck spans and curbs.
- Complete 148th garage elevator steel framing erection.
- Continue Mechanically Stabilized Earth (MSE) wall construction.
- Commence 185th station pedestrian bridge columns and platform canopies.
- Commence ballasted trackwork installation

Closely Monitored Issues:

- Electrical utility crew availability to supply power feeds on schedule for systems testing.
- Timing of receipt of all permits necessary for construction from third parties.
- Number of field changes due to design deficiencies.
- Erosion and sediment control during the wet season.

Cost Summary

Present Financial Status	Amount
L200 Contractor - SKH **Excludes 130th and betterments**	
Original Contract Value	$88,147,258
Change Order Value	$763,463,262
Current Contract Value	$851,610,520
Total Actual Cost (Incurred to Date)	$481,047,056
Percent Complete	52.5%
Authorized Contingency	$43,762,892
Contingency Drawdown	$11,612,256
Contingency Index	2.0

148th garage CMU installation

Contract L300 GC/CM—NE 200th Street to Lynnwood Transit Center

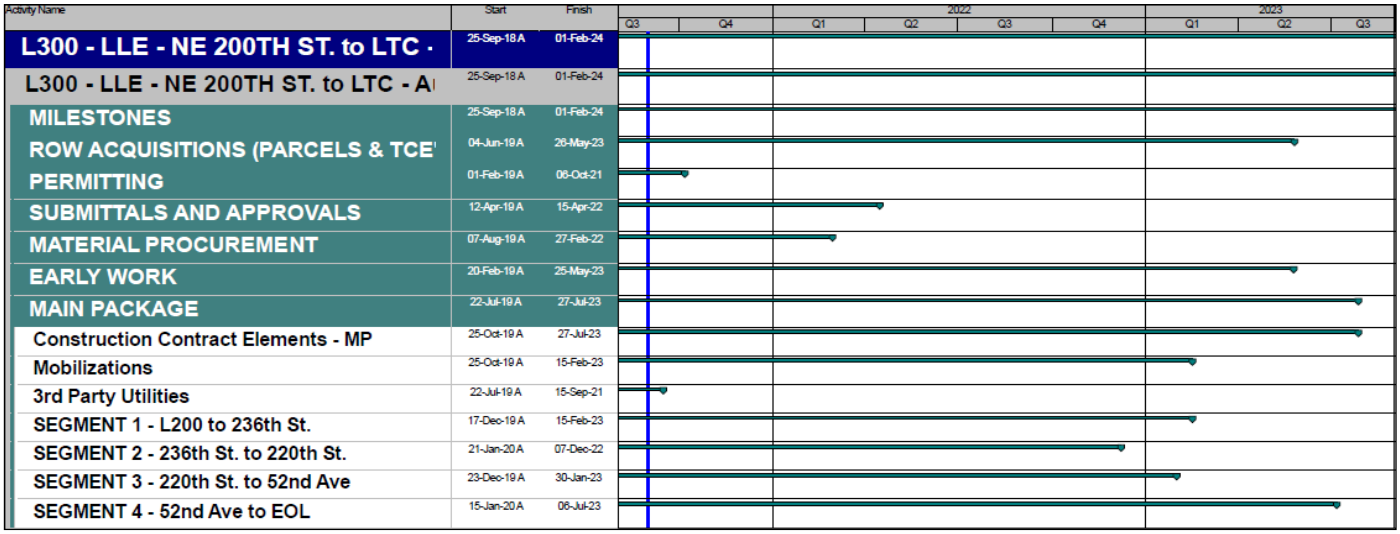
Current Progress

The L300 Contractor, Skanska, is continuing work on site as follows:

- Completed concrete placements at elevated deck level 1 of the Lynnwood City Center garage.
- Placed concrete for the I-5 overcrossing under an overnight full closure of the northbound lanes.
- Continued stairwell and elevator shaft construction at the Mountlake Terrace and Lynnwood stations.
- Continued mass excavation along I-5 near 212th Street SW for electrical vaults and the future Traction Power Substation.
- Continued soil nail and cast-in-place wall construction.
- Continued Mechanically Stabilized Earth (MSE) retaining wall construction.

Schedule Summary

Skanska has submitted both the July and August schedule updates. The guideway handover milestones exhibit negative float, but within the available Owner-controlled interface float, and this resource may be used to alleviate the issue. The project remains on schedule, with emphasis starting to be placed on planning for the early opening of the Lynnwood City Center Parking Garage, in Fall 2022.

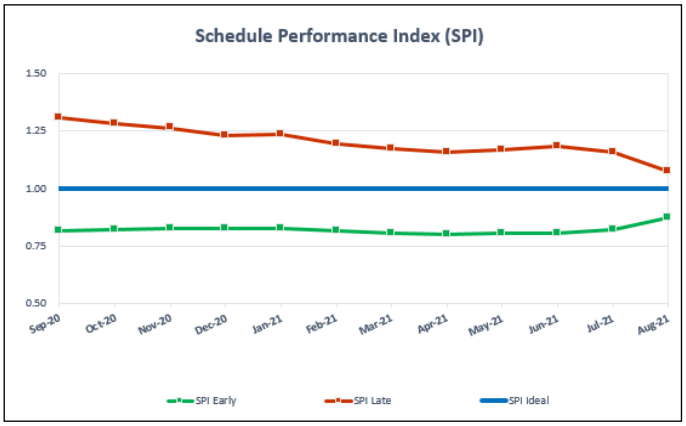

Activity Name
Start
Finish
2022
2023
Q3
Q4
Q1
Q2
Q3
Q4
Q1
Q2
Q3
L300 - LLE - NE 200TH ST. to LTC - 25-Sep-18 A 01-Feb-24
L300 - LLE - NE 200TH ST. to LTC - A 25-Sep-18 A 01-Feb-24
MILESTONES 25-Sep-18 A 01-Feb-24
ROW ACQUISITIONS (PARCELS & TCE 04-Jun-19 A 26-May-23
PERMITTING 01-Feb-19 A 06-Oct-21
SUBMITTALS AND APPROVALS 12-Apr-19 A 15-Apr-22
MATERIAL PROCUREMENT 07-Aug-19 A 27-Feb-22
EARLY WORK 20-Feb-19 A 25-May-23
MAIN PACKAGE 22-Jul-19 A 27-Jul-23
Construction Contract Elements - MP 25-Oct-19 A 27-Jul-23
Mobilizations 25-Oct-19 A 15-Feb-23
3rd Party Utilities 22-Jul-19 A 15-Sep-21
SEGMENT 1 - L200 to 236th St. 17-Dec-19 A 15-Feb-23
SEGMENT 2 - 236th St. to 220th St. 21-Jan-20 A 07-Dec-22
SEGMENT 3 - 220th St. to 52nd Ave 23-Dec-19 A 30-Jan-23
SEGMENT 4 - 52nd Ave to EOL 15-Jan-20 A 06-Jul-23

Schedule Performance Index

Early SPI represents progress against an optimistic version of the contract baseline schedule. This period, the early SPI is 0.87 (increase from last period).

Late SPI represents progress against a more conservative schedule. This period, the late SPI is 1.07 (decrease from last period).

The SPI trends indicate progress is trending behind the optimistic schedule dates, but work is progressing well compared to the late dates of the schedule.



Work Zone Overview

Next Period's Activities

- Continue platform decking and track slab concrete placements at the Mountlake Terrace and Lynnwood stations.
- Continue deck at all erected girder spans.
- Continue Lynnwood City Center parking garage work.
- Continue soil nail and cast-in-place wall construction.
- Continue Mechanically Stabilized Earth (MSE) retaining wall construction.

Closely Monitored Issues

- Potential unsuitable soil conditions at wall foundations.
- Culture of the project including new staff's experience with GC/CM contracting.
- Number of field changes due to design deficiencies.
- Erosion and sediment control during the wet season.

Cost Summary

Present Financial Status	Amount
L300 Contractor—Skanska	
Original Contract Value	$56,886,631
Change Order Value	$791,336,346
Current Contract Value	$848,222,977
Total Actual Cost (Incurred to Date)	$418,608,646
Percent Complete	50.7%
Authorized Contingency	$42,888,048
Contingency Drawdown	$13,222,977
Contingency Index	1.6

Backfilling against wall 3186.

Contract L800 Lynnwood Link Systems GC/CM

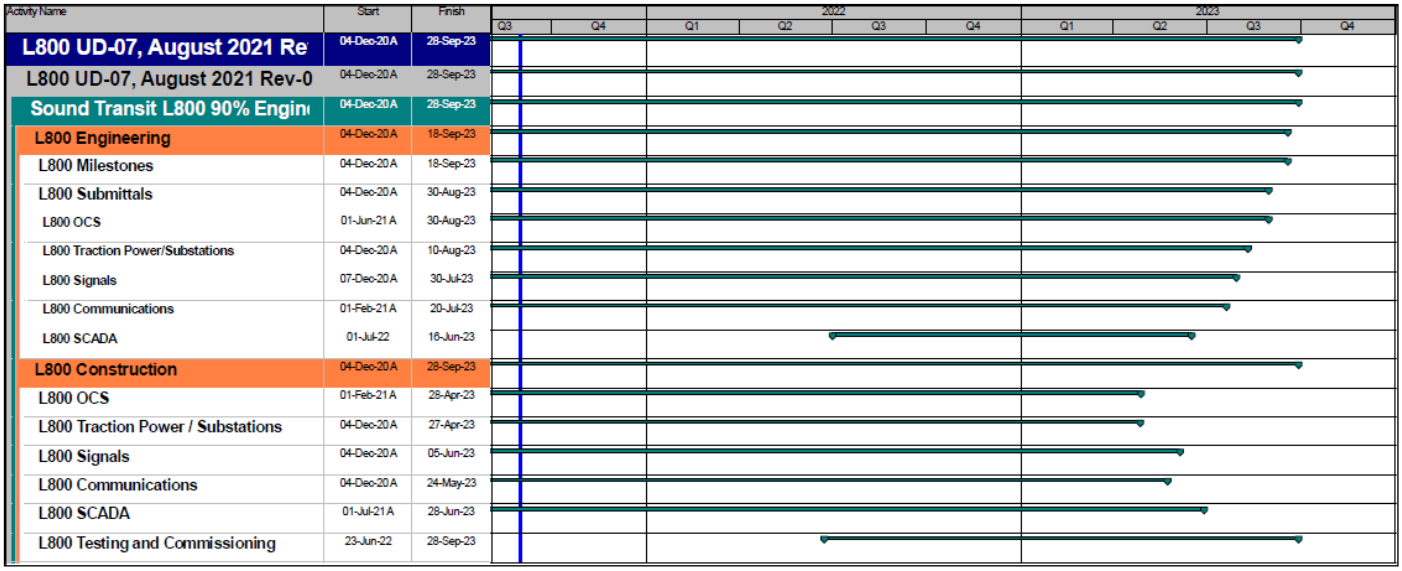
Current Progress

The L800 Contractor, Mass Electric Construction Company, is continuing work as follows:

- Continued working on engineering submittals and subcontract packages.

Schedule Summary

The L800 August schedule update forecasts a nine day late contract completion of September 18, 2023. The critical path is now driven by TPSS submittals. Submittals for TPSS components are currently undergoing multiple revisions. ST is continuing to monitor the progress, as well as looking for opportunities to improve the overall work plan.



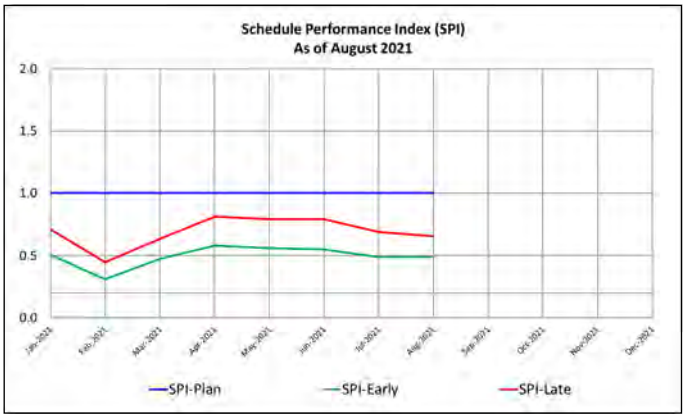
Activity Name	Start	Finish
L800 UD-07, August 2021 Re	04-Dec-20 A	28-Sep-23
L800 UD-07, August 2021 Rev-0	04-Dec-20 A	28-Sep-23
Sound Transit L800 90% Engin	04-Dec-20 A	28-Sep-23
L800 Engineering	04-Dec-20 A	18-Sep-23
L800 Milestones	04-Dec-20 A	18-Sep-23
L800 Submittals	04-Dec-20 A	30-Aug-23
L800 OCS	01-Jun-21 A	30-Aug-23
L800 Traction Power/Substations	04-Dec-20 A	10-Aug-23
L800 Signals	07-Dec-20 A	30-Jul-23
L800 Communications	01-Feb-21 A	20-Jul-23
L800 SCADA	01-Jul-22	16-Jun-23
L800 Construction	04-Dec-20 A	28-Sep-23
L800 OCS	01-Feb-21 A	28-Apr-23
L800 Traction Power / Substations	04-Dec-20 A	27-Apr-23
L800 Signals	04-Dec-20 A	05-Jun-23
L800 Communications	04-Dec-20 A	24-May-23
L800 SCADA	01-Jul-21 A	28-Jun-23
L800 Testing and Commissioning	23-Jun-22	28-Sep-23

Schedule Performance Index

Early SPI represents progress against an optimistic version of the contract baseline schedule. This period, the early SPI is 0.49 (increase from last period).

Late SPI represents progress against a more conservative schedule. This period, the late SPI is 0.66 (decrease from last period).

The SPI trends indicate progress is trending behind the optimistic and conservative schedule dates. Engineering submittals were planned very optimistically in the baseline schedule, and have not been completed as quickly as planned.



Next Period's Activities

- Continue development and reviews of engineering submittals covering all disciplines: Traction Power Substations (TPSS), Overhead Catenary Systems (OCS), Train Control Signal Systems, and Communications.

Closely Monitored Issues

- Monitoring the manufacture and delivery of long lead equipment such as TPSS units and Signal Houses.
- Monitoring the completion of civil package work for potential delays in hand over to the system contractor.

Cost Summary

Present Financial Status	Amount
L800 Contractor - Mass Electrical Construction Co.	
Original Contract Value	$148,000,000
Change Order Value	$0
Current Contract Value	$148,000,000
Total Actual Cost (Incurred to Date)	$16,955,217
Percent Complete	14.5%
Authorized Contingency	$10,360,000
Contingency Drawdown	$0
Contingency Index	N/A

Representative Traction Power Substation (TPSS) unit.

Link Light Rail
NE 130th St Infill Station

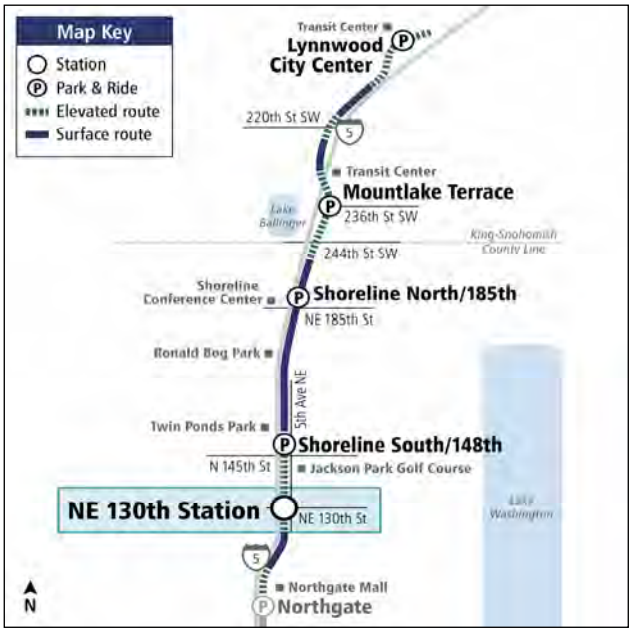
Project Summary

Scope Construct foundation and substructure elements and complete final design for an elevated, side-platform infill light rail station at NE 130th Street and 5th Ave in Seattle.

Phase Final Design / Early Construction

Budget $28.9 Million

Schedule Target date: 2025



Map of Project Alignment

Key Project Activities

- Per the ST Board realignment decision, this project is set to open with an accelerated completion date of 2025.
- Continued final design for D3 civil package.
- Continued final design for D3 systems package, nearing 100%.
- Continued deck and diaphragm erection as part of the C1 construction package (foundation and substructure).

Project Cost Summary

The project cost is summarized below in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The figures in both tables are shown in millions. In August 2021, $0.6M was incurred. The major project expenditures were for construction services, final design and staffing.

Cost Summary by Phase

Project Phase	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$3.6	$1.7	$1.7	$3.6	$0.0
Preliminary Engineering	$2.7	$2.7	$2.7	$2.7	$0.0
Final Design	$10.8	$7.8	$7.2	$10.8	$0.0
Construction Services	$2.1	$1.6	$1.0	$2.1	$0.0
3rd Party Agreements	$1.0	$0.7	$0.4	$0.9	$0.0
Construction	$8.5	$5.4	$3.0	$8.5	$0.0
ROW	$0.2	$0.0	$0.0	$0.2	$0.0
Project Contingency	$0.0	$0.0	$0.0	$0.0	$0.0
Total	**$28.9**	**$20.0**	**$16.0**	**$28.9**	**$0.0**

Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and developing risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks. It is Sound Transit's responsibility to continuously monitor project status and associated risks.

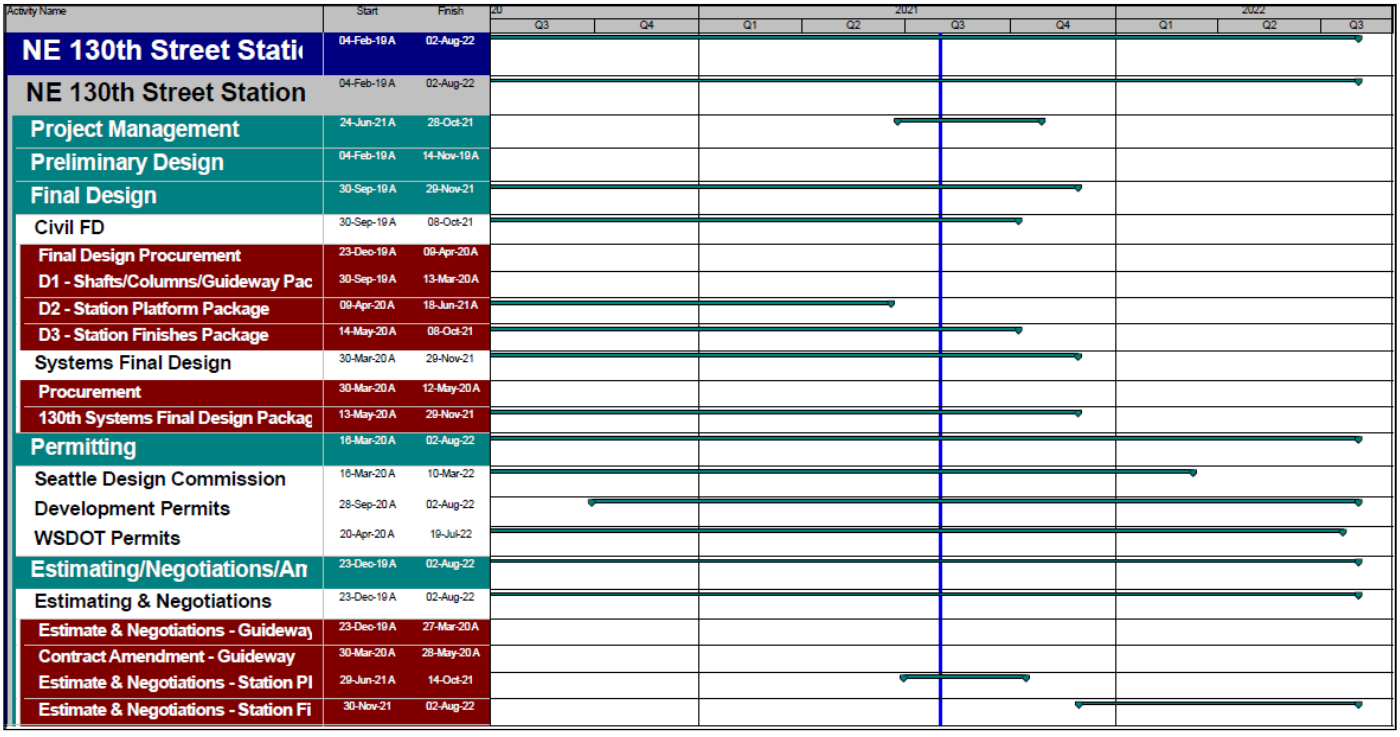
The following are the top project risks identified:

- AHJ may request additional access enhancements beyond what was budgeted.
- Local permitting authorities may require additional right-of-way improvements that require time to incorporate.
- Code changes in occupancy density may impact exiting and stair / conveyance configuration late in design.
- Local electrical utility supplier may need to construct additional upgrades to the power infrastructure to supply the station.
- Potential challenges in synchronizing specific construction milestones with Lynnwood Link.

Project Schedule

Design for the station remains on schedule, with the IFC package for D3 expected in early October. Permitting activities for the building, WSDOT utility and Street Improvement permits are under way.

Construction of the initial construction package for C1 is ongoing and expected to complete in October or early November. The next major milestone remains the ST Board decision to continue early advancement of the project, planned in Q4 2021, and in keeping with the ST Realignment plans.



Community Engagement

This period the Community Engagement team continued efforts to keep the community informed by:

- Coordinating responses regarding Board decision to advance this project. Email blasts and upcoming website update.

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

The YTD Actual FTE Monthly Average through the end of August is above the Planned FTE Monthly Average, with more design staff than planned.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	4.5	4.0	(0.5)
Consultants	19.5	27.0	7.5
TOTAL	24.0	31.0	7.0

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.*

Sound Transit Board Actions

Board Action	Description	Date
	None to report this period.	

Deck formwork

Contract Cost Summary

Civil Final Design Overview

Sound Transit executed an amendment with HNTB Jacobs to perform civil final design for NE 130th station in the Lynnwood Link corridor to investigate the possibility of integrating the 130th St Infill Station into Lynnwood Link. Design services include preparation of comprehensive civil contract documents for construction, design coordination and cooperation with the GC/CM contractors, permit support, survey, geotechnical investigations, right-of-way planning and acquisition support, third party coordination support, risk assessment support, value engineering and constructability support, building and station design and sustainability reports. Final design is continuing work on the Issue for Construction set of documents for the C3 package.

Present Financial Status	Amount
HNTB Jacobs– Civil Final Design	
Original Contract Value	$1,570,864
Change Order Value	$5,096,927
Current Contract Value	$6,667,791
Total Actual Cost (Incurred to Date)	$6,403,636
Financial Percent Complete	96%
Authorized Contingency	$852,485
Contingency Drawdown	$719,332
Contingency Index	1.1

Systems Final Design Overview

Sound Transit executed an amendment with LTK Engineering to perform systems final design for NE 130th station in the Lynnwood Link corridor to investigate the possibility of integrating the 130th St Infill Station into Lynnwood Link. Design services include preparation of comprehensive contract documents for construction, design coordination and cooperation with the civil final designer, permit support, third party coordination support, risk assessment support, value engineering and constructability support, schedules and cost estimating. This period, the systems final design team continued development of the 100% set of documents based on the civil deliverables.

Present Financial Status	Amount
LTK– Systems Final Design	
Original Contract Value	$299,332
Change Order Value	$823,076
Current Contract Value	$1,122,408
Total Actual Cost (Incurred to Date)	$706,418
Financial Percent Complete	63%
Authorized Contingency	$110,310
Contingency Drawdown	$0
Contingency Index	N/A

Construction Overview

Sound Transit executed an amendment to the Lynnwood Link L200 contract with Stacy & Witbeck-Kiewit-Hoffman JV (SKH) for the addition of drilled shafts, columns and crossbeams required for incorporation of the 130th Street station structure into the L200 guideway structure as an “integrated structure.” This is consistent with direction received from Sound Transit Board to progressively advance the station.

Present Financial Status	Amount
SKH– Civil Construction	
Original Contract Value	$5,000,000
Change Order Value	$0
Current Contract Value	$5,000,000
Total Actual Cost (Incurred to Date)	$2,924,361
Percent Complete	58%
Authorized Contingency	$500,000
Contingency Drawdown	$0
Contingency Index	N/A

Project Summary

Scope

Limits
The Northgate Link Extension consists of 4.3 miles of light rail extending from the University of Washington to Northgate.

Alignment
The extension begins at UW Station, continues under UW campus, then north to a portal at NE 94th Street, then transitioning to an aerial structure north to Northgate Mall.

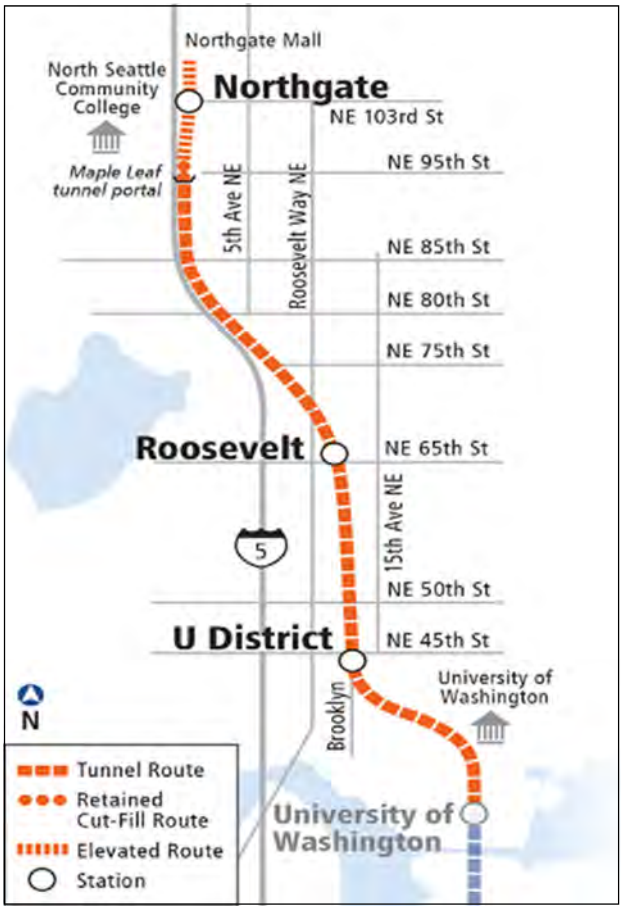
Stations
U District Station (UDS)
Roosevelt Station (RVS)
Northgate Station and Parking Garage

Systems
Signals, track electrification, and SCADA communications

Phase
Pre-Revenue Service

Budget
$1.899 Billion

Schedule
Revenue Service: October 2021



Map of Project Alignment

Key Project Activities

- **U District Station/UW Campus (N140):** Final Seattle Fire Department inspections at U District Station are complete.
- **Roosevelt Station (N150):** Final Seattle Fire Department inspections at Roosevelt Station are complete.
- **Northgate Station (N160): Station:** Absher continues work on punchlist corrections and is currently 99% complete with the punchlist. Final cleaning continued throughout station.
- **Systems (N830):** Substantial Completion projected to be August 31, 2021.
- **Environmental:** Environmental and safety site walks conducted on all Northgate contracts.

Closely Monitored Issues

N140, N150 and N160 – Final Seattle Fire Department inspections at N140 and N150 complete. N160 inspection pending correction of one item.

N830 Systems – Traction Power Transfer Trip testing to be complete by August 29.

Project Cost Summary

The project cost is summarized in two cost categories. The first table summarizes cost in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The second table summarizes the project in accordance with the FTA's Standard Cost Category (SCC) format. The figures in both tables are shown in millions.

The Estimated Final Cost (EFC) for the project as of this reporting period is $1,847.3M, which is $52.5M below the current project budget, unchanged since last period. This period, approximately $4.3M was incurred, mostly on the active construction and construction management contracts.

Cost Summary by Phase

Project Phase	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$144.9	$130.4	$97.1	$96.7	$124.9	$5.5
Preliminary Engineering	$15.1	$15.1	$15.1	$15.1	$15.1	$0.0
Final Design	$132.2	$137.2	$121.8	$119.2	$132.0	$5.2
Construction Services	$118.3	$118.3	$104.6	$103.8	$111.8	$6.6
3rd Party Agreements	$11.8	$11.8	$8.7	$7.5	$11.0	$0.8
Construction	$1,343.0	$1,352.5	$1,287.9	$1,273.8	$1,341.6	$11.0
ROW	$112.3	$112.3	$102.0	$102.0	$111.0	$1.3
Project Contingency	$22.2	$22.2	$0.0	$0.0	$0.0	$22.2
Total	**$1,899.8**	**$1,899.8**	**$1,737.1**	**$1,718.1**	**$1,847.3**	**$52.5**

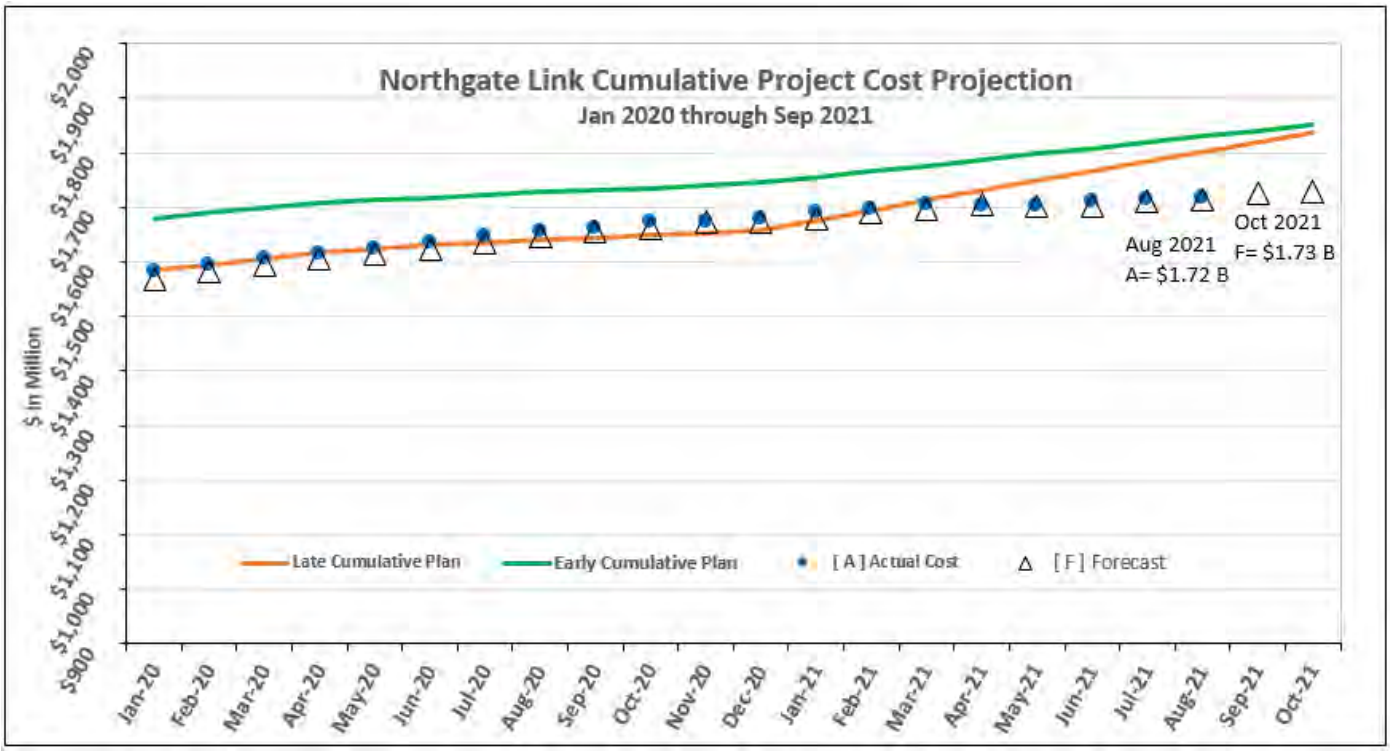
Cost Summary by SCC

SCC Element	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
10 Guideway & Track	$595.6	$513.7	$517.4	$515.2	$521.3	-$7.6
20 Stations	$376.1	$441.2	$459.3	$455.3	$464.5	-$23.3
30 Support Facilities: Yard, Shop	$5.3	$6.1	$6.5	$6.5	$6.5	-$0.3
40 Sitework & Special Conditions	$140.8	$233.8	$181.5	$175.5	$185.5	$48.3
50 Systems	$110.9	$101.5	$106.8	$106.6	$117.2	-$15.7
Construction Subtotal (10 - 50)	**$1,228.7**	**$1,296.4**	**$1,271.4**	**$1,259.1**	**$1,295.0**	**$1.4**
60 Row, Land, Improvements	$119.9	$110.9	$102.0	$102.0	$111.0	-$0.1
70 Vehicles	$0.0	$0.0	$0.2	$0.2	$0.2	-$0.2
80 Professional Services	$420.7	$424.6	$363.5	$356.9	$423.9	$0.7
90 Contingency	$130.4	$67.9	$0.0	$0.0	$17.3	$50.7
Total (10 - 90)	**$1,899.8**	**$1,899.8**	**$1,737.1**	**$1,718.1**	**$1,847.3**	**$52.5**

Project Cash Flow Projection

The Northgate Link cost aligns with the planned expenditures as construction activities continue.

Total project cost to date reached $1.72B of which about $1.27B (74%) is attributed to construction. The project cost is forecast to reach $1.73B by October 2021, by the time the project opens for Revenue Service.



Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility to continuously monitor project status and associated risks.

The project's final risk register update workshop was held on 6/21/21 but will be discontinued moving forward as the extension is about to open for Revenue Service.

The top project-wide risks are:

- Electrical issue at EMI cable splice may have additional consequences or require a complicated fix.
- Coordination or inspection issues could occur with SDCI related to closing out of permits.
- Two light poles require relocation which requires coordination with SCL.
- Delay final SIT test (506) until Pre-Revenue Service which causes disruption or delay of service, testing, or closeout of documentation. Risk is since this is one of the last activities, any bugs may cause schedule delays.
- Live wire arcing in the tunnels may delay testing of LRVs. This may or may not impact RSD.
- Seattle Department of Construction and Inspections (SDCI, or formerly DPD) or Seattle Fire Department will revise fire and life safety codes, or there may be other issues such as different code interpretations that result in additional ventilation, egress, or mechanical and electrical requirements at stations.
- Electrical distribution system was not fully coordinated throughout the tunnel and the station interface, which resulted in some scope gap. This will result in a potential fix and project wide change for N830 and the civil contracts.

Contingency Management

The Northgate Link project budget was baselined in 2012 with a total contingency of $396.2M.

Design Allowance (DA) was established to account for unquantified scope at the time of the cost estimate. DA has been fully depleted and all major contracts have been awarded.

Allocated Contingency (AC) is used to address risks, complexity and unforeseen conditions during the execution of work, including procurement.

Unallocated Contingency (UAC) is used to address general project-wide cost risks and uncertainties.

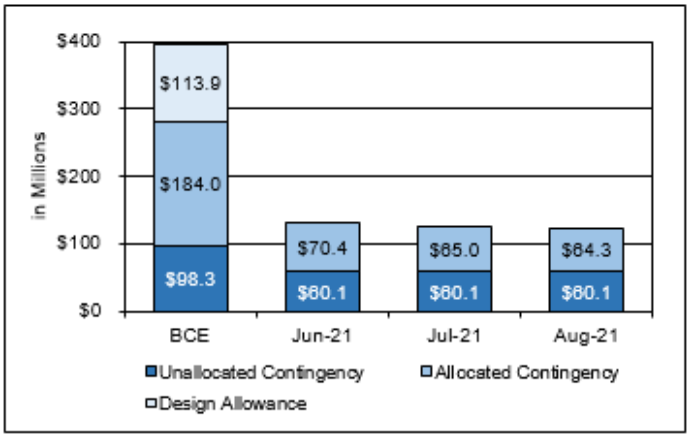
In this period, AC reduced by $0.7M due to construction change orders. UAC remained unchanged. The overall contingency balance remains well above both the minimum and the buffer zone contingency levels.

Contingency Status (Monthly)

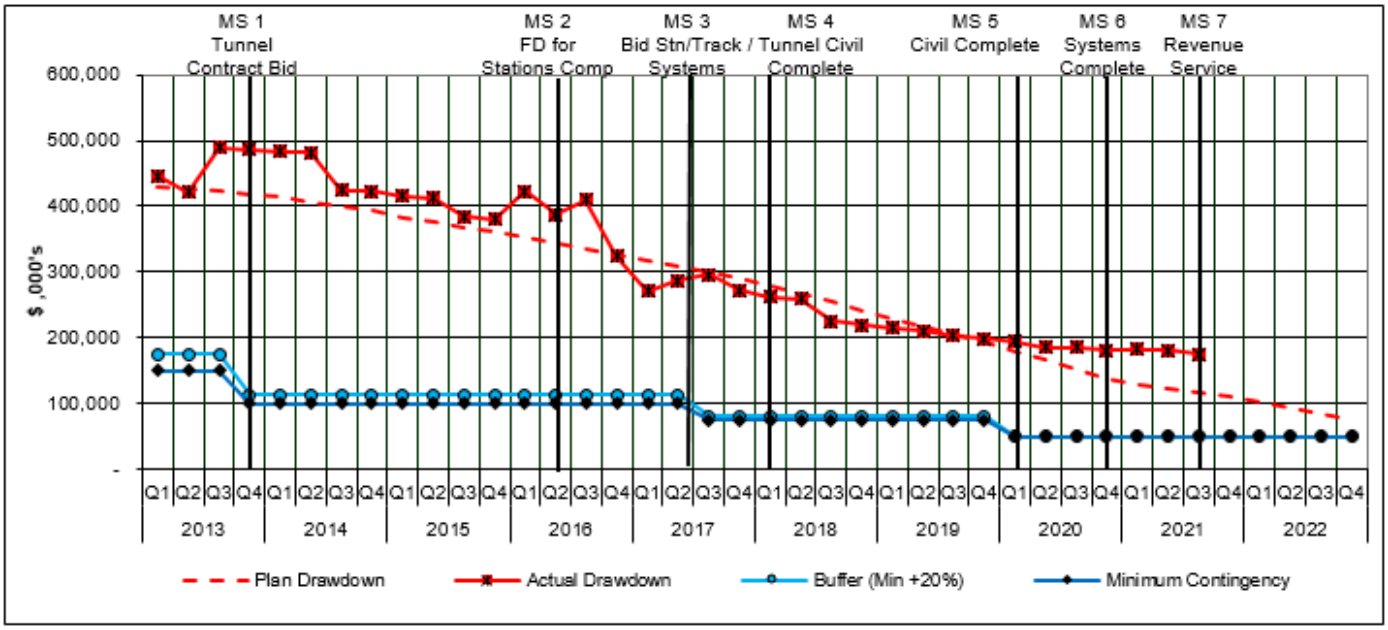
Type	Baseline		Currrent Status	
	Amount	% of Total Budget	Remaining Amount	% of Work Remaining
Design Allowance	$113.9	6.0%	$0.0	0.0%
Allocated Contingency	$184.0	9.7%	$64.3	49.8%
Unallocated Contingency	$98.3	5.2%	$60.1	46.5%
Total:	**$396.2**	**20.9%**	**$124.4**	**96.4%**

Table figures are shown in millions.

Contingency by Type

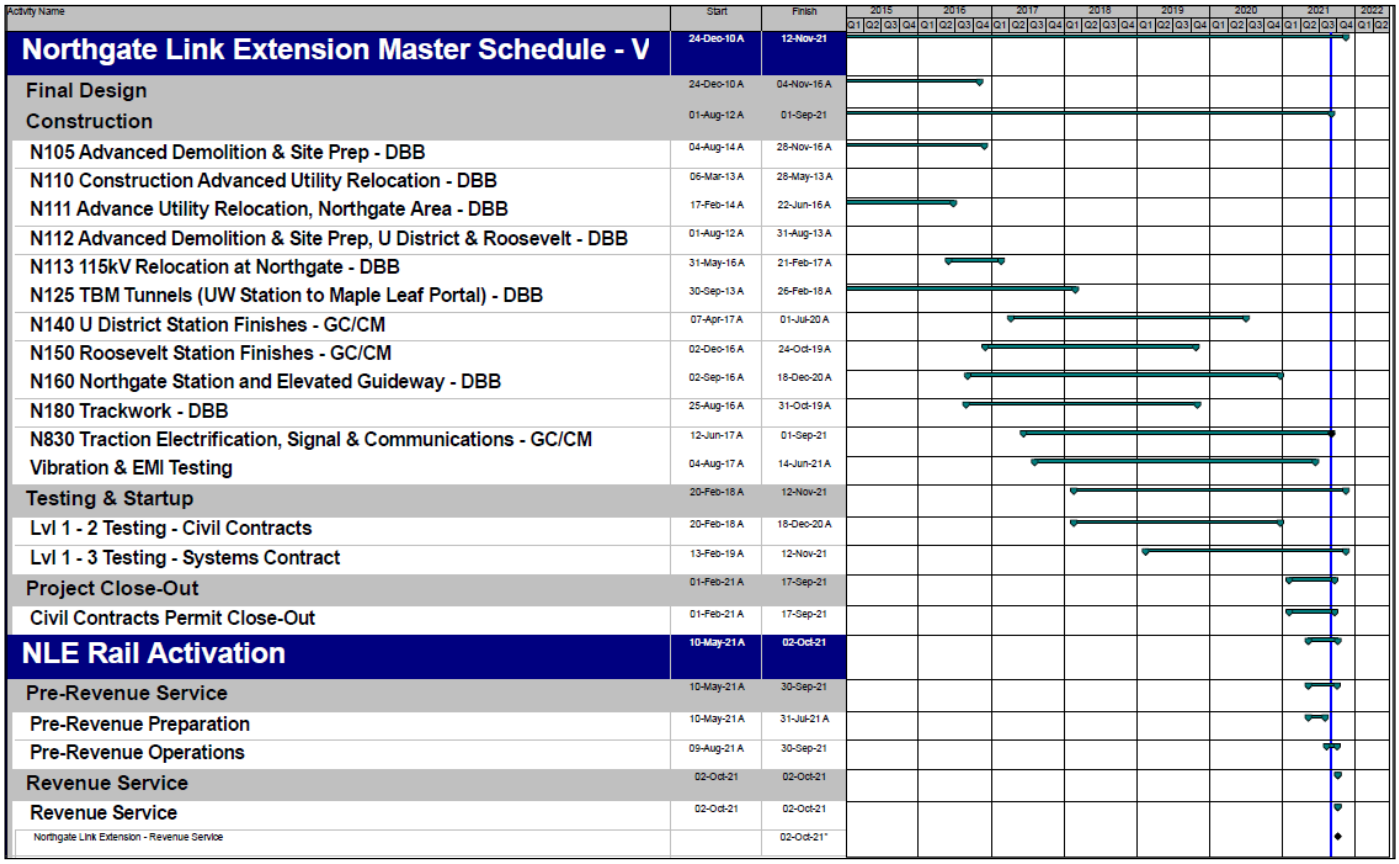


Contingency Drawdown (Quarterly)



Project Schedule

In August 2021, the physical percent complete for all Northgate Link construction contracts is at 99.5%, adjusted for changes. Roosevelt Station has received it's Final Certificate of Occupancy (CO), U-District's CO is expected in mid-Sept. Systems Integrated Testing largely completed in August with the start of Operator Familiarization. Simulated Revenue service is scheduled to start in early September. The October 2, 2021, Opening Day remains the current forecast date, with the project team continuing to plan for that date.



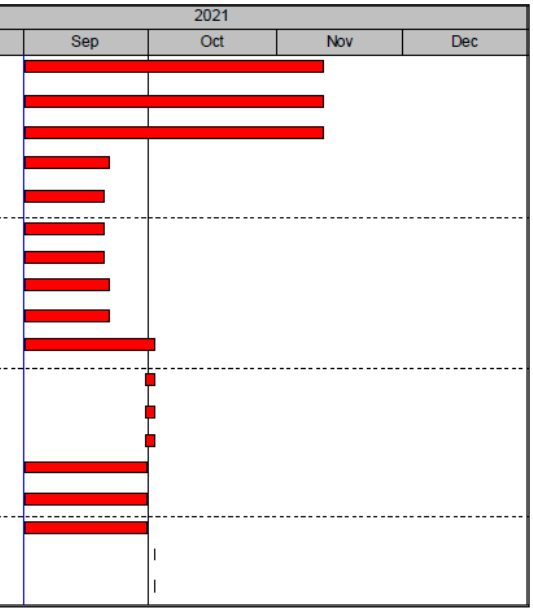
Activity Name	Start	Finish
Northgate Link Extension Master Schedule - V	24-Dec-10 A	12-Nov-21
Final Design	24-Dec-10 A	04-Nov-16 A
Construction	01-Aug-12 A	01-Sep-21
N105 Advanced Demolition & Site Prep - DBB	04-Aug-14 A	28-Nov-16 A
N110 Construction Advanced Utility Relocation - DBB	06-Mar-13 A	28-May-13 A
N111 Advance Utility Relocation, Northgate Area - DBB	17-Feb-14 A	22-Jun-16 A
N112 Advanced Demolition & Site Prep, U District & Roosevelt - DBB	01-Aug-12 A	31-Aug-13 A
N113 115kV Relocation at Northgate - DBB	31-May-16 A	21-Feb-17 A
N125 TBM Tunnels (UW Station to Maple Leaf Portal) - DBB	30-Sep-13 A	26-Feb-18 A
N140 U District Station Finishes - GC/CM	07-Apr-17 A	01-Jul-20 A
N150 Roosevelt Station Finishes - GC/CM	02-Dec-16 A	24-Oct-19 A
N160 Northgate Station and Elevated Guideway - DBB	02-Sep-16 A	18-Dec-20 A
N180 Trackwork - DBB	25-Aug-16 A	31-Oct-19 A
N830 Traction Electrification, Signal & Communications - GC/CM	12-Jun-17 A	01-Sep-21
Vibration & EMI Testing	04-Aug-17 A	14-Jun-21 A
Testing & Startup	20-Feb-18 A	12-Nov-21
Lvl 1 - 2 Testing - Civil Contracts	20-Feb-18 A	18-Dec-20 A
Lvl 1 - 3 Testing - Systems Contract	13-Feb-19 A	12-Nov-21
Project Close-Out	01-Feb-21 A	17-Sep-21
Civil Contracts Permit Close-Out	01-Feb-21 A	17-Sep-21
NLE Rail Activation	10-May-21 A	02-Oct-21
Pre-Revenue Service	10-May-21 A	30-Sep-21
Pre-Revenue Preparation	10-May-21 A	31-Jul-21 A
Pre-Revenue Operations	09-Aug-21 A	30-Sep-21
Revenue Service	02-Oct-21	02-Oct-21
Revenue Service	02-Oct-21	02-Oct-21
Northgate Link Extension - Revenue Service		02-Oct-21*

Project Float is no longer being reported as the project has entered into Pre-Revenue Service, and the Revenue Service date is set for October 2, 2021. Please see the June 2021 Agency Progress Report for the final Northgate Float report.

Critical Path Analysis

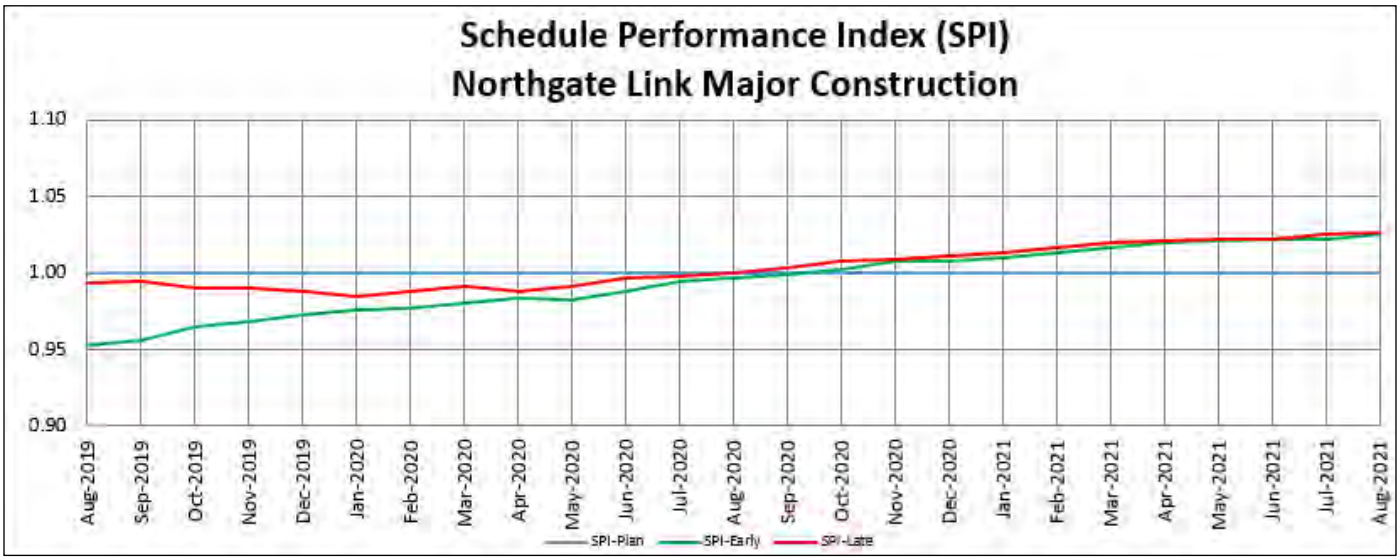
The critical path for Northgate Link is driven by the concurrently by completion of System Integration Test 504d and the Pre-Revenue Simulated Service. Pre-Revenue operations started on August 16th with Operator Familiarization. Simulated Revenue Service is expected to start by early-mid September. Opening Day remains October 2nd.

Activity ID	Activity Name	Start	Finish
	Northgate Link Extension Master Schedule - V1	13-Feb-19 A	12-Nov-21
	Testing & Startup	13-Feb-19 A	12-Nov-21
	Lvl 1 - 3 Testing - Systems Contract	13-Feb-19 A	12-Nov-21
	N160 - Northgate Station Finishes	31-Jul-19 A	21-Sep-21
	2.00 - Procurement	31-Jul-19 A	20-Sep-21
	2.40 - Long Lead Materials	31-Jul-19 A	20-Sep-21
	Long Lead Materials	31-Jul-19 A	20-Sep-21
	10.00 - Project Close-out	26-Feb-20 A	21-Sep-21
	10.30 - O&M's/ Warranties / As-Builts / Training	26-Feb-20 A	21-Sep-21
	NLE Rail Activation	23-Aug-21 A	02-Oct-21
	TASK 10 - Public Information/Relations	30-Sep-21	02-Oct-21
	Plans & Procedures, Rider Information Plan	30-Sep-21	02-Oct-21
	Opening Ceremony and Events	30-Sep-21	02-Oct-21
	Pre-Revenue Service	23-Aug-21 A	30-Sep-21
	Pre-Revenue Operations	23-Aug-21 A	30-Sep-21
	Simulated Revenue Service/Drills/Upsets	23-Aug-21 A	30-Sep-21
	Revenue Service	02-Oct-21	02-Oct-21
	Revenue Service	02-Oct-21	02-Oct-21



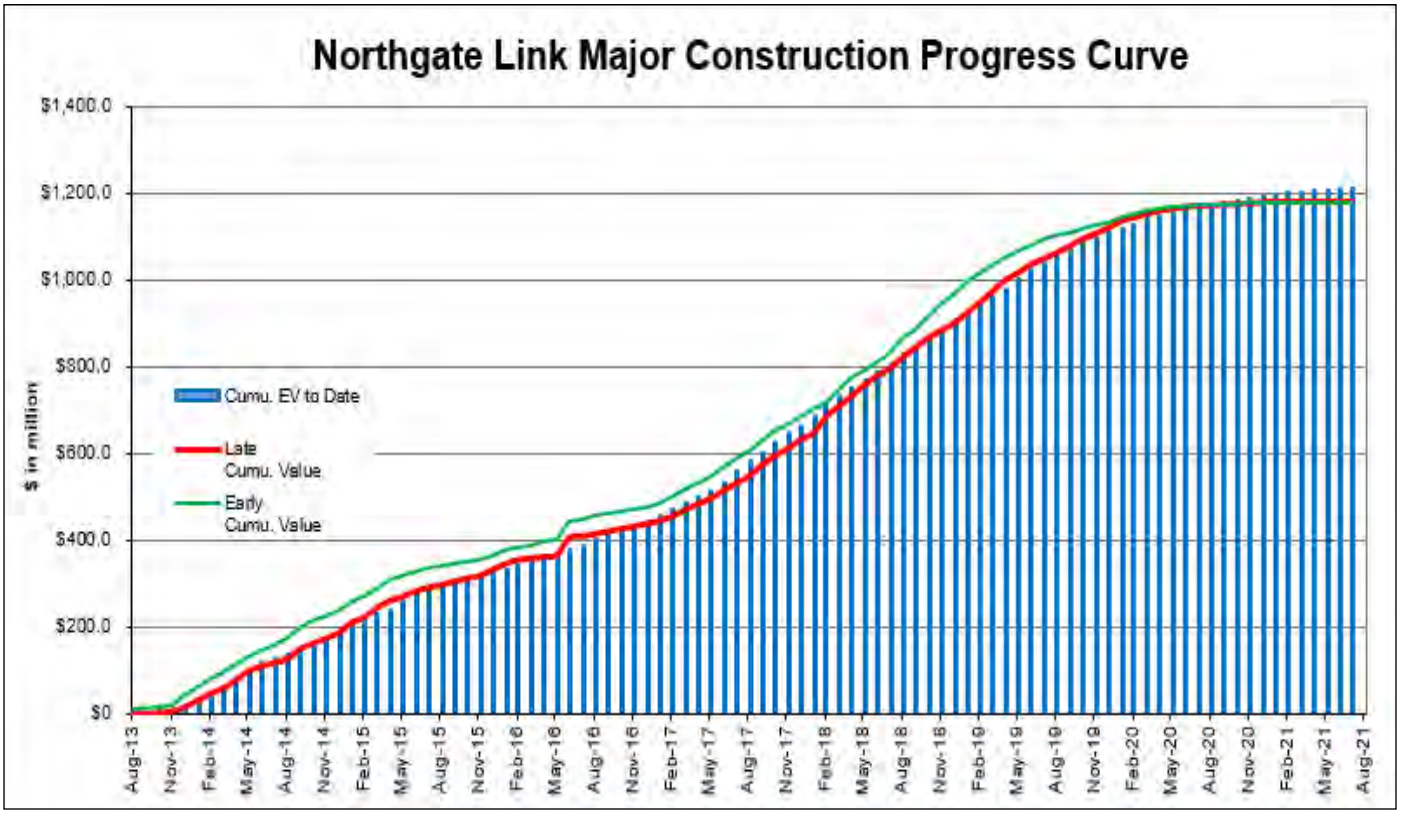
Schedule Performance Index

The early Schedule Performance Index (SPI) for the project edged up to 1.03 this period, and the late SPI is at 1.03 as well, showing that in general, performance remains on, or very close to plan.



Cost Progress Analysis

Overall Northgate Link major construction percent complete analysis is based on a weighted measurement among the six major construction contracts' schedules, durations and costs. The graph below shows the aggregate cost progression for these construction contracts is trending toward the early projection as drawn from the master schedule.



Community Engagement

- Notified community of nighttime NE 103rd closures.
- Sent notifications for Emergency Drill at the Roosevelt Station.
- Participated in the Northgate Pedestrian Bridge Coordination meeting.
- Responded to emails and calls regarding Northgate Link opening events.

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

The planned FTE monthly average takes peaks and valleys in activity into account; whereas the YTD monthly average only reflects actuals from January 2021 till current reporting month. Project staff support has scaled down faster than anticipated as major civil construction contracts near completion. For the 29 consultant FTEs, we planned for 4 design (including Design Services during Construction) and 25 for construction management.

Resource Type	Planned FTE	YTD Actual FTE	Variance
ST Staff	42	30	(12)
Consultants	29	28	(1)
TOTAL	71	58	(13)
** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*			

Sound Transit Board Actions

Board Action	Description	Date
	None this period	

Major Construction Contract Packages

Below are the major construction contract packages for the project with a brief scope description of each.

N105 Advance Demolition and Site Prep - Demolition of Key Bank Building, removal of underground storage tanks and remediation of contaminated soil at UDS. Demolition site and site prep at strip mall near the NG Station. (Complete)

N111 Advanced Utility Relocation at Northgate Area - Relocation of 26kV and communication lines at the Northgate Station vicinity. (Complete)

N113 115kV Relocation at Northgate Station Area - Relocation of overhead electrical facilities at the Northgate Station area. (Complete)

N125 TBM Tunnels UW Station to Maple Leaf Portal - Tunneling work and support of excavation of station boxes for the U District and Roosevelt stations. (Complete)

N140 U District Station Finishes - Civil and architectural finishes work for the U District Station (Substantially Complete)

N150 Roosevelt Station Finishes – Civil and architectural finishes work for the Roosevelt Station (Substantially Complete)

N160 Northgate Station & Elevated Guideway & Parking Garage - Civil and architectural finishes work for the Maple Leaf Portal, the aerial guideway, and the Northgate Station and Tail Track. Construction of a 450 stall parking garage to be located at the south corner of the existing Northgate Mall surface parking lot at NE 103rd St. near 1st Avenue NE.

N180 Trackwork - Installation of all trackwork through two tunnels and three stations between UW Station and Northgate Station, including tail track. (Substantially Complete)

N830 Track Electrification, Signals, Communication System - Installation of the major system elements – Traction Electrification, 26kV Distribution, Signals, and Communications.

Bus lanes at Northgate Station South Plaza ready for handover to King County Metro.

Contract N140—U District Station Finishes

Current Progress

The N140 Contractor, Hoffman Construction, achieved Substantial Completion on April 3, 2020. Hoffman focused on the following activities through the end of August:

- Completed cross preventative maintenance activities for the station.
- Completed backflow preventer re-certifications.
- Completed metal panel hatch installations in the entrances and signage corrections.

Next Period's Activities

- Commence work of final clean up in public areas.
- Commence work on removal of site fencing.
- Complete sprinkler modifications.

Closely Monitored Issues

- Nothing to report.

Cost Summary

Present Financial Status	Amount
N140 Contractor—Hoffman Construction	
Original Contract Value	$159,836,688
Change Order Value	$ 14,186,330
Current Contract Value	$ 174,023,018
Total Actual Cost (Incurred to Date)	$ 172,031,635
Percent Complete	99.9%
Authorized Contingency	$ 18,914,559
Contingency Drawdown	$ 14,186,330
Contingency Index	1.1

Contract N150 – Roosevelt Station Finishes

Current Progress

The N150 Contractor, Hoffman Construction, achieved Substantial Completion on September 24, 2019. Hoffman focused on the following activities through the end of August:

- Completed cross preventative maintenance activities for the station.
- Completed installation of signage required by SFD (Seattle Fire Department).
- Completed SFD inspections.

Next Period's Activities

- Commence work of final clean up in public areas.
- Commence work on removal of site fencing.

Closely Monitored Issues

- Nothing to report.

Cost Summary

Present Financial Status	Amount
N150 Contractor—Hoffman Construction	
Original Contract Value	$152,291,184
Change Order Value	$ 18,738,486
Current Contract Value	$ 171,029,670
Total Actual Cost (Incurred to Date)	$ 170,977,064
Percent Complete	99.9%
Authorized Contingency	$ 18,914,559
Contingency Drawdown	$ 18,738,486
Contingency Index	1.0

Contract N160 – Northgate Station, Elevated Guideway, and Parking Garage

Current Progress

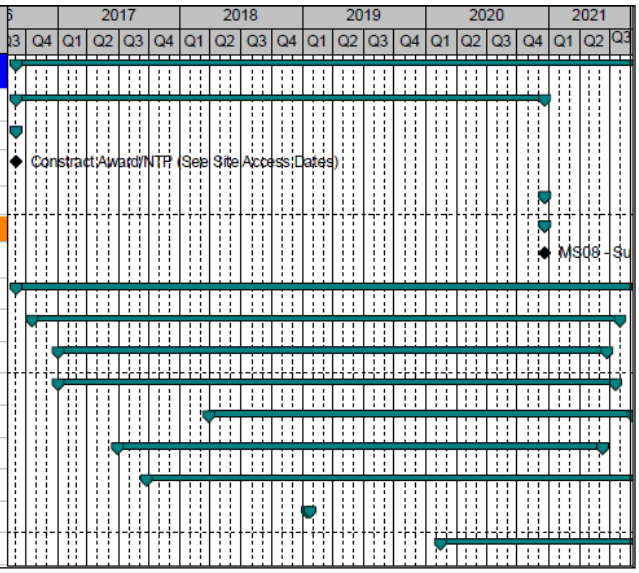
The N160 prime contractor, Absher Construction, and its various subcontractors are continuing work in all areas of the project. Accomplishments through the end of August include:

- Handover of busway and KCM areas to KCM on 08/05/21
- Handover of the site to ST Operation on 08/30/21
- All punchlist work has been completed.

Schedule Summary

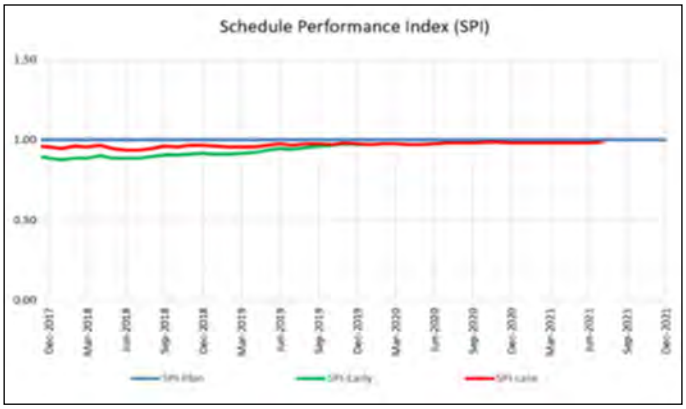
The project schedule update for August extends closeout of the project into September. Overall progress for the contract is 99%. The August update completes the base contract work, with only change order items remaining. This update constitutes the last monthly update, only a final As-Built Schedule will be submitted.

Activity Name	OD	RD	Start	Finish
N160 - Northgate Station Finishes	1291	20	01-Sep-16 A	29-Sep-21
1.00 - General Requirements	1087	0	01-Sep-16 A	18-Dec-20 A
1.10 - Project Start-up	0	0	01-Sep-16 A	01-Sep-16 A
Constract Award/NTP (See Site Access Dates)	0	0	01-Sep-16 A	
1.20 - Contractual Milestones	0	0	18-Dec-20 A	18-Dec-20 A
Absher Contract Milestones	0	0	18-Dec-20 A	18-Dec-20 A
MS08 - Substantial Completion [Site Access+1201d; 10/17/16, then by 1/30/20] Rev to 5/23/20 (CO-271)	0	0		18-Dec-20 A
2.00 - Procurement	791	13	02-Sep-16 A	20-Sep-21
3.00 - Preparatory Work	861	0	17-Oct-16 A	30-Jul-21 A
4.00 - Earthwork & Utilities	874	0	04-Jan-17 A	25-Jun-21 A
5.00 - Guideway (inc. Station Unit)	1181	0	03-Jan-17 A	21-Jul-21 A
6.00 - Station Finishes	983	4	27-Mar-18 A	07-Sep-21
7.00 - Garage	999	0	27-Jun-17 A	09-Jun-21 A
8.00 - At-Grade Restoration	1024	20	22-Sep-17 A	29-Sep-21
9.00 - Transition to Operations	5	0	14-Jan-19 A	22-Jan-19 A
10.00 - Project Close-out	403	20	13-Feb-20 A	29-Sep-21



Schedule Performance Index

This period, the SPI early is 0.99 (0.01 increase from last period) and the SPI late is at 0.99 (0.01 increase from last period), indicating slight change in performance since last month. However, the indices indicate that the contractor continues performing slightly behind plan when compared to the baseline schedule. Overall work progress has remained within 0.01 of its current trend over the last year.



Next Period's Activities

- Achieving Temporary Certificate of Occupancy
- Closeout of open change items.

Closely Monitored Issues

- None

Cost Summary

Present Financial Status	Amount
N160 Contractor - Absher Construction	
Original Contract Value	$ 174,000,000
Change Order Value	$ 19,290,007
Current Contract Value	$ 193,290,007
Total Actual Cost (Incurred to Date)	$ 190,441,731
Percent Complete	99.5%
Authorized Contingency	$ 20,400,000
Contingency Drawdown	$ 19,290,007
Contingency Index	1.1

Waterproof sealant being placed on the Northgate Parking Garage roof deck.

Contract N180 – Trackwork UWS to Northgate Station

Current Progress

The N180 Contractor, Stacy and Witbeck, Inc. (SWI) achieved Substantial Completion of all Milestones on October 31, 2019.

Final contract change order was executed in December and ST is now awaiting final billing to proceed with closeout activities.

Next Period's Activities

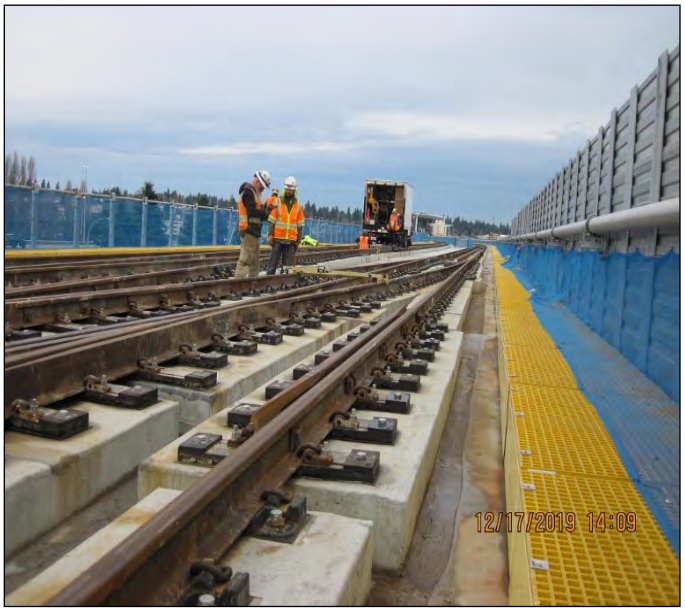
- Continue with the Final Acceptance process in progress to fully meet the conditions of GC Article 9.08.A.(iii)
- Certification of the final invoice, process and payment to commence after the process stated above is completed.

Closely Monitored Issues

- Communication and coordination between contracts is ongoing, monitoring related activities to bring the contract to a successful close-out.

Cost Summary

Present Financial Status	Amount
N180 Contractor - Stacy and Witbeck, Inc.	
Original Contract Value	$71,455,950
Change Order Value	$ 4,017,015
Current Contract Value	$75,472,965
Total Actual Cost (Incurred to Date)	$75,472,965
Percent Complete	100.0%
Authorized Contingency	$10,718,393
Contingency Drawdown	$ 4,017,015
Contingency Index	2.67



Closeout activities continue

Contract N830 – Northgate Link Systems, Heavy Civil GC/CM

Current Progress

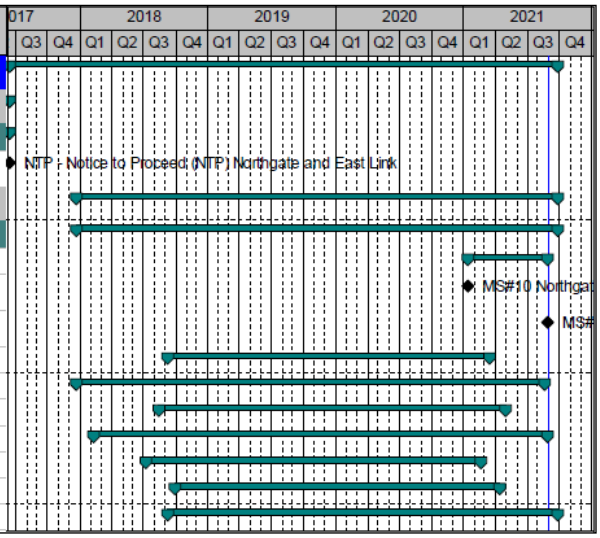
The N830 Contractor, Mass Electric Construction Co. (MEC), continued to prosecute the work as follows:

- Preformed testing on communication equipment at U District Station (UDS).
- Preformed testing on communication equipment at Roosevelt Station (RVS).
- Preformed testing on communication equipment, live wire testing, install PA system, and SIT testing at Northgate Station (NGS).

Schedule Summary

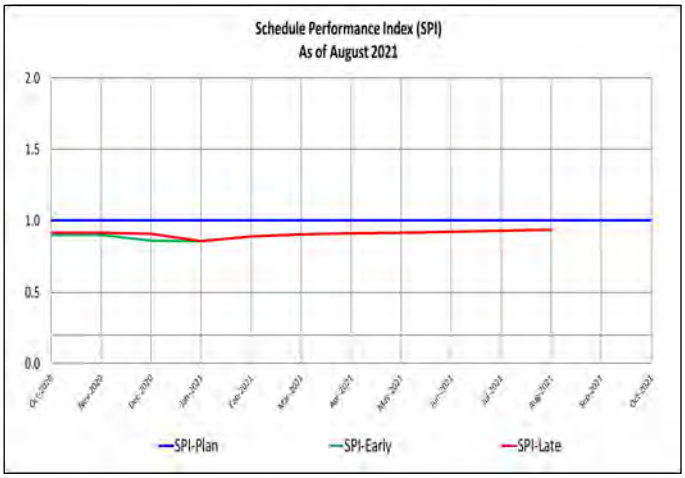
The N830 contractor's August 2021 update has been submitted and reviewed. The work is now 98.2% complete. The critical path for the contract continues to be driven by the final SIT testing and subsequent completion of test reports. The testing needed for Simulated Revenue Service is complete, with Simulated Revenue Service underway in mid-August.

Activity Name	OD	RD	Start	Finish
N830 - Northgate Systems Installation	1064	18	12-Jun-17 A	27-Sep-21
General	0	0	12-Jun-17 A	12-Jun-17 A
Key Dates	0	0	12-Jun-17 A	12-Jun-17 A
NTP - Notice to Proceed (NTP) Northgate and East Link	0	0	12-Jun-17 A	
N830 Project	932	18	20-Dec-17 A	27-Sep-21
N830 Construction	932	18	20-Dec-17 A	27-Sep-21
N830 Milestones	231	0	11-Jan-21 A	30-Aug-21 A
MS#10 Northgate: Completion of limited NG Systems from UoW to UD Stations for EMI (03/08/21)	0	0		11-Jan-21 A
MS#05 Northgate: Substantial completion of Northgate Link systems (05/31/21)	0	0		30-Aug-21 A
N830 OCS	618	0	10-Sep-18 A	15-Mar-21 A
N830 Traction Power / Substations Procurement	907	0	20-Dec-17 A	20-Aug-21 A
N830 Signals	669	0	15-Aug-18 A	30-Apr-21 A
N830 Communications	880	0	10-Feb-18 A	26-Aug-21 A
N830 Radio	645	0	09-Jul-18 A	18-Feb-21 A
N830 Trunk Fiber	628	0	28-Sep-18 A	16-Apr-21 A
N830 Testing and Commissioning	756	18	07-Sep-18 A	27-Sep-21


017
2018
2019
2020
2021
Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4
NTP - Notice to Proceed (NTP) Northgate and East Link
MS#10 Northgat
MS#

Schedule Performance Index

Performance for August is shown. May SPI-Early is 0.93 (an increase from last period) and the SPI-Late is 0.93 (an decrease from last period).



Next Period's Activities

- Ongoing coordination meetings between systems and civil contractors for interface and access points for respective contracts.
- Performing Testing and Commissioning at Northgate Station, U District Station and Roosevelt Station.

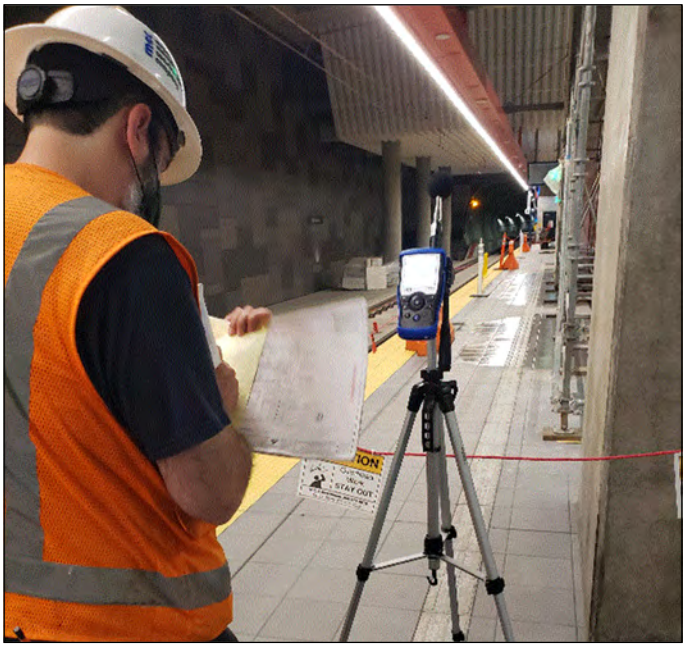
Closely Monitored Issues

- COVID-19 impacts continue to be fluid and is being monitored.
- Monitoring the completion of testing and commissioning the Train Control System (TCS).

Cost Summary

Present Financial Status	Amount
N830 Contractor - Mass Electric Construction Co.	
Original Contract Value	$104,660,444
Change Order Value	$737,788
Current Contract Value	$105,398,231
Total Actual Cost (Incurred to Date)	$100,666,813
Percent Complete	98%
Authorized Contingency	$7,233,022
Contingency Drawdown	$737,788
Contingency Index	9.53

**The N830 and E750 Systems is a joint procurement. The Cost Summary table above represents N830 Systems only.*



Communication system testing at University District Station.

Project Summary

Scope

Limits — Federal Way Transit Center to South Federal Way, Fife, East Tacoma, and Tacoma Dome

Alignment — The Tacoma Dome Link Extension (TDLE) expands light rail 9.7 miles from the Federal Way Transit Center to Tacoma. The representative alignment travels adjacent to I-5 with four stations.

Stations — South Federal Way, Fife, and East Tacoma (elevated stations) and Tacoma Dome (at-grade station)

Systems — Signals, traction power, communications (SCADA), Operations and Maintenance Facility South (OMF South)

Phase — Planning: Alternative Development/Project Development

Budget — $125.7 Million for Preliminary Engineering Phase 1—Alternative Development Phase 2

Schedule — Target Dates:
Tacoma Dome Station, 2032
Parking at South Federal Way & Fife, 2038

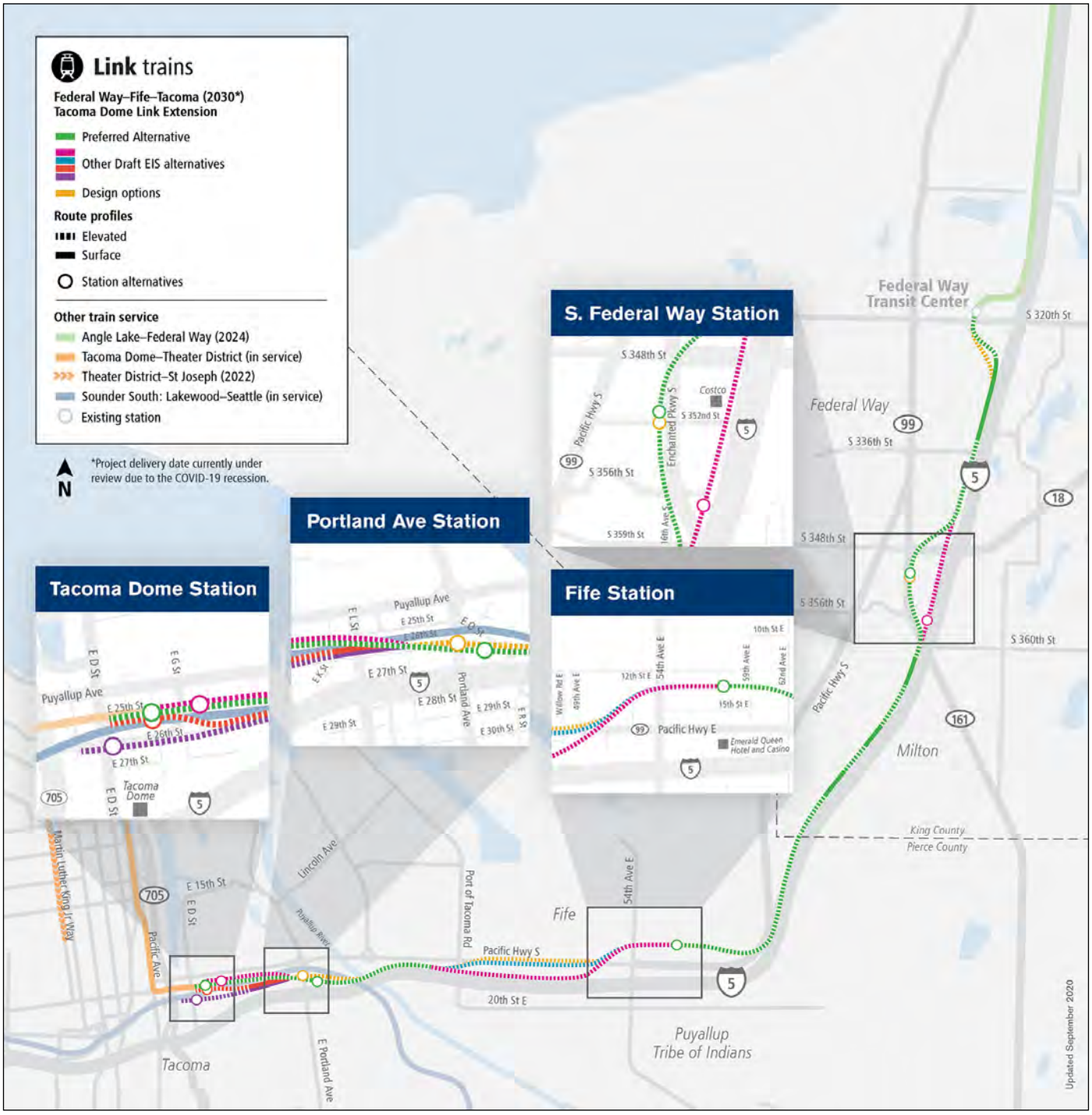
Map of Tacoma Dome Link Extension.

Key Project Activities

- TDLE – Continued discussion around the Freighthouse Square Fire and Life Safety issues.
- TDLE – Met with WSBLE regarding passenger experience workshops and went on Northgate Link tour.
- TDLE – Completed Phase 2 Change Order to extend consultant support.
- TDLE – Briefed the Cities of Federal Way, Fife, Milton, and Tacoma on the traffic impacts analysis.
- TDLE – Preparation of the ADEIS and confirmation of the kickoff meeting with cooperating agencies and tribes on 9/23.
- TDLE – Held meetings with the Federal Transit Administration and the Puyallup Tribe.
- OMF South - Title VI Facility Equity Analysis report reviews continue.
- OMF South - Change order extending consultant services and contract time to February 2022 finalized.
- OMF South - Continued Phase 3 scope of work development.
- OMF South – Subarea Briefing presentation drafted, being development.
- OMF South – Agendas and FAQs for September meetings with cities drafted, and were developed

Project Map

Graphic below depicts addition detail of the project route and station alignments being considered.



Project Cost Summary

The Tacoma Dome Link Extension and OMF South project cost is summarized below in two cost categories. The first table summarizes costs in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The second table summarizes costs in accordance with the FTA's Standard Cost Categories (SCC) format. The figures in both tables are shown in millions. Project expenditure year to date is 37% less than the planned budget year to Aug.

The major variances are observed in Administration, PE, and Third Party phases. Selection of a preferred alternative by the ST Board was pushed out from May to December 2021, and as a result of this postponement, ST staff and consultant burn rates were reduced, and planned Third Party review efforts were pushed back to align with the new deliverable dates. Also in ROW phase, fewer property owners were briefed than expected by Community Engagement.

Cost Summary by Phase

Project Phase	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$26.8	$13.5	$13.4	$26.8	$0.0
Preliminary Engineering	$87.1	$50.4	$34.3	$87.1	$0.0
Final Design	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Services	$0.0	$0.0	$0.0	$0.0	$0.0
3rd Party Agreements	$6.4	$2.2	$0.8	$6.4	$0.0
Construction	$0.0	$0.0	$0.0	$0.0	$0.0
Vehicles	$0.0	$0.0	$0.0	$0.0	$0.0
ROW	$5.4	$1.0	$0.3	$5.4	$0.0
Total	**$125.7**	**$67.1**	**$48.8**	**$125.7**	**$0.0**

Cost Summary by SCC

SCC Element	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
10 Guideway & Track	$0.0	$0.0	$0.0	$0.0	$0.0
20 Stations	$0.0	$0.0	$0.0	$0.0	$0.0
30 Support Facilities	$0.0	$0.0	$0.0	$0.0	$0.0
40 Sitework & Special Conditions	$0.0	$0.0	$0.0	$0.0	$0.0
50 Systems	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Subtotal (10 - 50)	**$0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**
60 Row, Land	$4.4	$1.0	$0.3	$4.4	$0.0
80 Professional Services	$114.4	$66.1	$48.5	$114.4	$0.0
90 Unallocated Contingency	$6.9	$0.0	$0.0	$6.9	$0.0
Total (10 - 90)	**$125.7**	**$67.1**	**$48.8**	**$125.7**	**$0.0**

Risk Management

The Tacoma Dome Link Extension and OMF South Risk and Contingency Management Plan (RCMP) will establish a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It will provide a tool for the project team to proactively manage risks on the project. Sound Transit will continuously monitoring project status and associated risks. ST will take mitigation actions for known risks identified on the risk register that pose a significant impact to the project cost or schedule forecast.

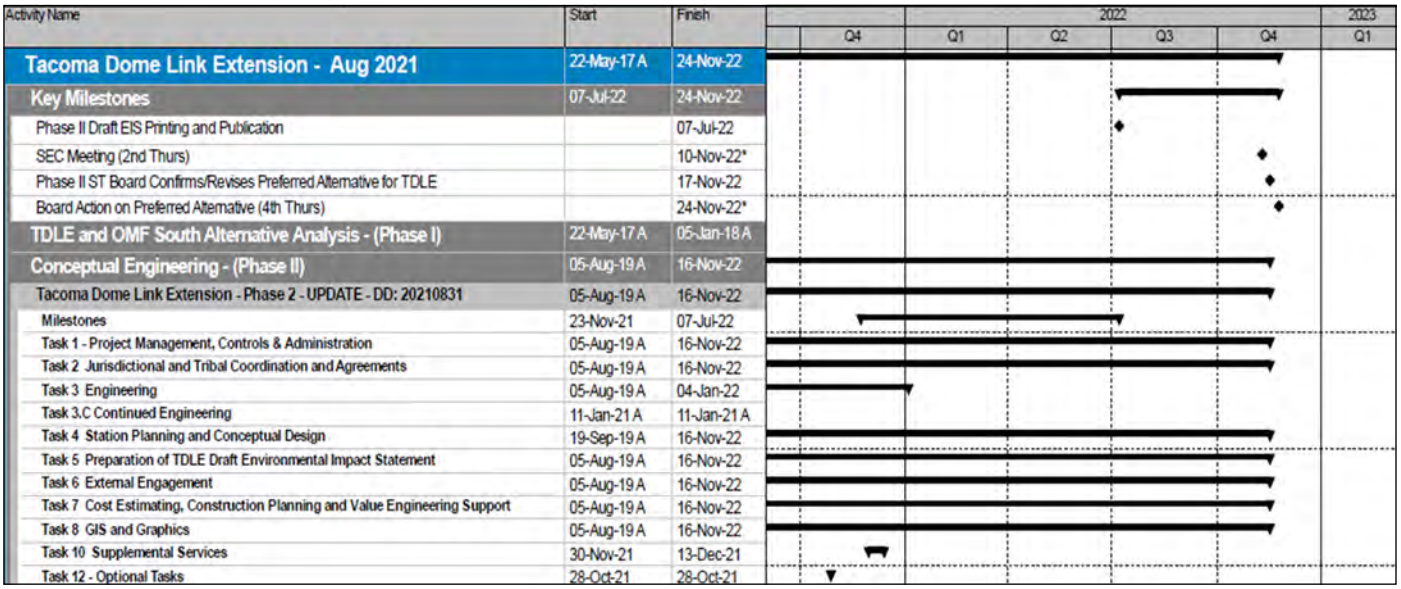
The Q2 2021 risk review workshop was held in May 2021. The following are the top project wide risks:

- Reduced revenue as a result of COVID-19 may impact schedule and cost.
- Other ST projects are experiencing baseline cost escalation, resulting in insufficient funding available for TDLE and OMFS.
- Encounter artifacts and /or human remains (tribal) during construction causing major delays and/or need to change alignment.
- Contaminated soil and/or groundwater are discovered during TDLE and OMF South construction, resulting in increased costs.
- Existing buildings below the proposed guideway/stations require upgrades/replacement to meet code requirements (i.e.- Construction type challenges), thus increasing project costs.
- OMFS can't be built in time for ST3 vehicle schedule. This schedule concern could happen during alternatives development, environmental, design, or construction phases.
- Right-of-Way cost may increase more than projected escalation rates as a result of property value increases in the region.
- Complications to cross the Puyallup River due to cultural, geo-technical, structural, or ROW.
- City of Tacoma requests pedestrian bridge crossing I5 in East Tacoma (Portland Ave. station) which was not included in ST3 scope assumption
- Close to Sounder alignment options have substantial impact on Tacoma Link, Sounder, Amtrak, PS Transit, ST Express, and Greyhound operations.
- Delays caused by local AHJ reviews.

TDLE Project Schedule

The Board of Directors announced their realignment decision this month. ST is currently making schedule adjustments in accordance with this direction. At this time, only near-term schedule activities or those for which a funding agreement, contract, statement of work, or similar commitment has been executed are shown

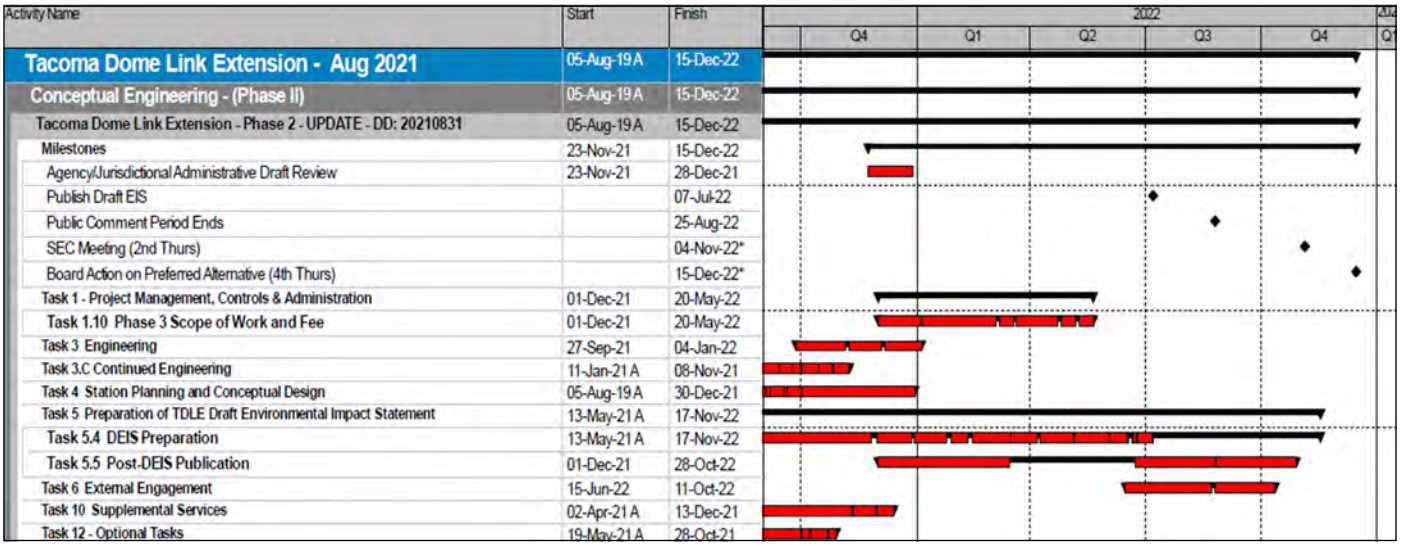
Below is the summary schedule as of August 31, 2021. The project continues to forecast a publication of the Draft Environmental Impact Statement in Q2 2022.



Activity Name	Start	Finish
Tacoma Dome Link Extension - Aug 2021	22-May-17 A	24-Nov-22
Key Milestones	07-Jul-22	24-Nov-22
Phase II Draft EIS Printing and Publication		07-Jul-22
SEC Meeting (2nd Thurs)		10-Nov-22*
Phase II ST Board Confirms/Revises Preferred Alternative for TDLE		17-Nov-22
Board Action on Preferred Alternative (4th Thurs)		24-Nov-22*
TDLE and OMF South Alternative Analysis - (Phase I)	22-May-17 A	05-Jan-18 A
Conceptual Engineering - (Phase II)	05-Aug-19 A	16-Nov-22
Tacoma Dome Link Extension - Phase 2 - UPDATE - DD: 20210831	05-Aug-19 A	16-Nov-22
Milestones	23-Nov-21	07-Jul-22
Task 1 - Project Management, Controls & Administration	05-Aug-19 A	16-Nov-22
Task 2 Jurisdictional and Tribal Coordination and Agreements	05-Aug-19 A	16-Nov-22
Task 3 Engineering	05-Aug-19 A	04-Jan-22
Task 3.C Continued Engineering	11-Jan-21 A	11-Jan-21 A
Task 4 Station Planning and Conceptual Design	19-Sep-19 A	16-Nov-22
Task 5 Preparation of TDLE Draft Environmental Impact Statement	05-Aug-19 A	16-Nov-22
Task 6 External Engagement	05-Aug-19 A	16-Nov-22
Task 7 Cost Estimating, Construction Planning and Value Engineering Support	05-Aug-19 A	16-Nov-22
Task 8 GIS and Graphics	05-Aug-19 A	16-Nov-22
Task 10 Supplemental Services	30-Nov-21	13-Dec-21
Task 12 - Optional Tasks	28-Oct-21	28-Oct-21

TDLE Critical Path Analysis

This critical path for is running thru Phase II publishing of the DEIS and ST Board Preferred Alternative identified an order to maintain a Revenue Service target date completion of 2032 for TDLE.

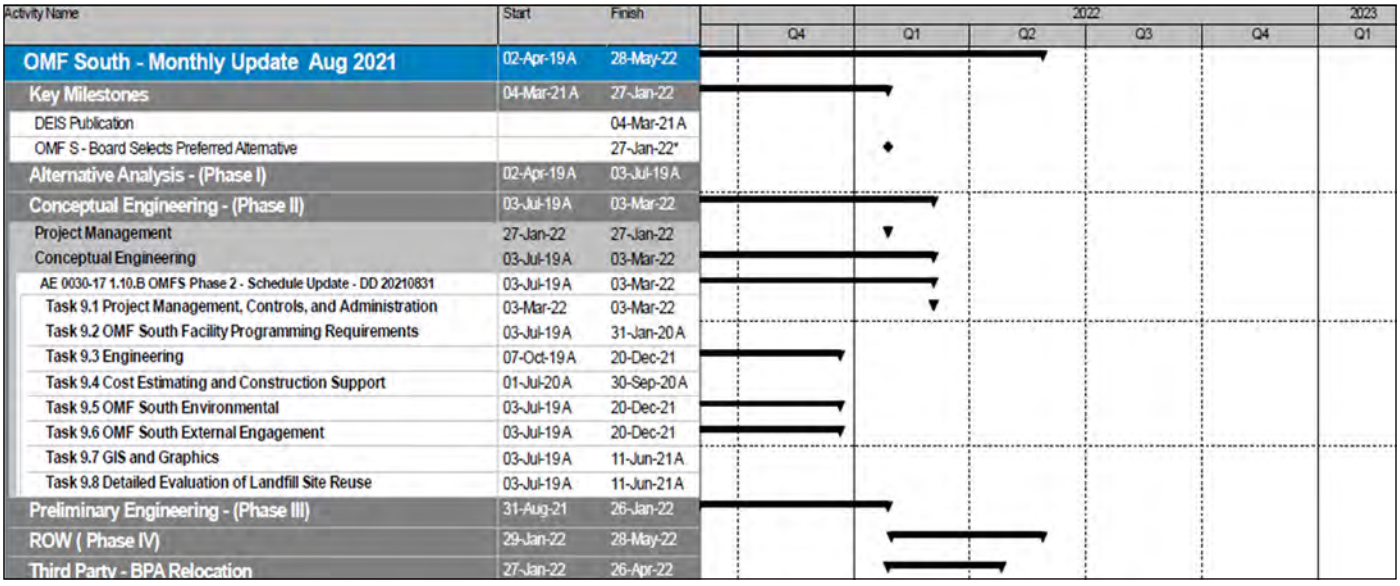


Activity Name	Start	Finish
Tacoma Dome Link Extension - Aug 2021	05-Aug-19 A	15-Dec-22
Conceptual Engineering - (Phase II)	05-Aug-19 A	15-Dec-22
Tacoma Dome Link Extension - Phase 2 - UPDATE - DD: 20210831	05-Aug-19 A	15-Dec-22
Milestones	23-Nov-21	15-Dec-22
Agency/Jurisdictional Administrative Draft Review	23-Nov-21	28-Dec-21
Publish Draft EIS		07-Jul-22
Public Comment Period Ends		25-Aug-22
SEC Meeting (2nd Thurs)		04-Nov-22*
Board Action on Preferred Alternative (4th Thurs)		15-Dec-22*
Task 1 - Project Management, Controls & Administration	01-Dec-21	20-May-22
Task 1.10 Phase 3 Scope of Work and Fee	01-Dec-21	20-May-22
Task 3 Engineering	27-Sep-21	04-Jan-22
Task 3.C Continued Engineering	11-Jan-21 A	08-Nov-21
Task 4 Station Planning and Conceptual Design	05-Aug-19 A	30-Dec-21
Task 5 Preparation of TDLE Draft Environmental Impact Statement	13-May-21 A	17-Nov-22
Task 5.4 DEIS Preparation	13-May-21 A	17-Nov-22
Task 5.5 Post-DEIS Publication	01-Dec-21	28-Oct-22
Task 6 External Engagement	15-Jun-22	11-Oct-22
Task 10 Supplemental Services	02-Apr-21 A	13-Dec-21
Task 12 - Optional Tasks	19-May-21 A	28-Oct-21

OMF South Project Schedule

The Board of Directors announced their realignment decision this month. ST is currently making schedule adjustments in accordance with this direction. At this time, only near-term schedule activities or those for which a funding agreement, contract, statement of work, or similar commitment has been executed are shown

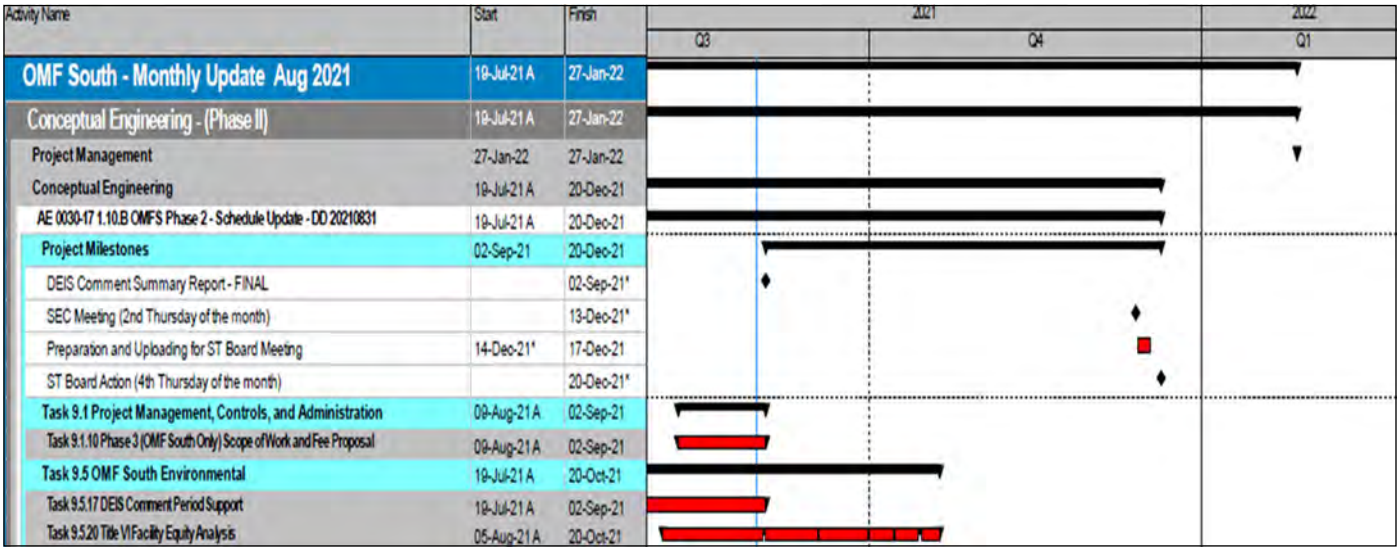
Below is the summary schedule as of Aug 31, 2021. ST Board Selects Preferred Alternative is forecasted to happen in Q1 2022.



Activity Name	Start	Finish
OMF South - Monthly Update Aug 2021	02-Apr-19 A	28-May-22
Key Milestones	04-Mar-21 A	27-Jan-22
DEIS Publication		04-Mar-21 A
OMF S - Board Selects Preferred Alternative		27-Jan-22*
Alternative Analysis - (Phase I)	02-Apr-19 A	03-Jul-19 A
Conceptual Engineering - (Phase II)	03-Jul-19 A	03-Mar-22
Project Management	27-Jan-22	27-Jan-22
Conceptual Engineering	03-Jul-19 A	03-Mar-22
AE 0030-17 1.10.B OMFS Phase 2 - Schedule Update - DD 20210831	03-Jul-19 A	03-Mar-22
Task 9.1 Project Management, Controls, and Administration	03-Mar-22	03-Mar-22
Task 9.2 OMF South Facility Programming Requirements	03-Jul-19 A	31-Jan-20 A
Task 9.3 Engineering	07-Oct-19 A	20-Dec-21
Task 9.4 Cost Estimating and Construction Support	01-Jul-20 A	30-Sep-20 A
Task 9.5 OMF South Environmental	03-Jul-19 A	20-Dec-21
Task 9.6 OMF South External Engagement	03-Jul-19 A	20-Dec-21
Task 9.7 GIS and Graphics	03-Jul-19 A	11-Jun-21 A
Task 9.8 Detailed Evaluation of Landfill Site Reuse	03-Jul-19 A	11-Jun-21 A
Preliminary Engineering - (Phase III)	31-Aug-21	26-Jan-22
ROW (Phase IV)	29-Jan-22	28-May-22
Third Party - BPA Relocation	27-Jan-22	26-Apr-22

OMF South Critical Path Analysis

This critical path for is running thru Phase II getting to the ST Board Preferred Alternative identified, preparation for Phase Gate 2 to establish delivery method , bridging documents required in order to enter Final Design to Construction start the Request for Proposal (RFP) Design Build in order to maintain 2030 project completion .



Activity Name	Start	Finish
OMF South - Monthly Update Aug 2021	19-Jul-21 A	27-Jan-22
Conceptual Engineering - (Phase II)	19-Jul-21 A	27-Jan-22
Project Management	27-Jan-22	27-Jan-22
Conceptual Engineering	19-Jul-21 A	20-Dec-21
AE 0030-17 1.10.B OMFS Phase 2 - Schedule Update - DD 20210831	19-Jul-21 A	20-Dec-21
Project Milestones	02-Sep-21	20-Dec-21
DEIS Comment Summary Report - FINAL		02-Sep-21*
SEC Meeting (2nd Thursday of the month)		13-Dec-21*
Preparation and Uploading for ST Board Meeting	14-Dec-21*	17-Dec-21
ST Board Action (4th Thursday of the month)		20-Dec-21*
Task 9.1 Project Management, Controls, and Administration	09-Aug-21 A	02-Sep-21
Task 9.1.10 Phase 3 (OMF South Only) Scope of Work and Fee Proposal	09-Aug-21 A	02-Sep-21
Task 9.5 OMF South Environmental	19-Jul-21 A	20-Oct-21
Task 9.5.17 DEIS Comment Period Support	19-Jul-21 A	02-Sep-21
Task 9.5.20 Title VI Facility Equity Analysis	05-Aug-21 A	20-Oct-21

Right of Way

The Right of Way effort for this project involves the acquisition of a range of property interests which includes compensable (e.g. fee acquisitions, guideway easements, permanent and temporary construction easements) and non-compensable rights (e.g. rights of entry). These acquisitions will result in owner and tenant residential and commercial relocations. The right-of-way program status for this period is summarized in the following table.

Project Link Extension Property Acquisition Status					
ACQUISITION				RELOCATION	
Total Acquisitions	Board Approved	Offers Made to date	Closings to date	Relocations Required	Relocations Completed to date
0	0	0	0	0	0

** All numbers are cumulative totals, except where noted. Number of totals may differ from other reports due to the timing of reporting periods.*

Community Engagement

- TDLE – Hosted Interagency Group meeting, virtual meeting on 8/2
- TDLE – Tabled in Salishan Association's National Night Out event, virtual meeting on 8/3
- TDLE – Met with the Cities of Fife and Milton to discuss traffic impacts identified in the ADEIS, virtual meeting on 8/4
- TDLE – Met with the Puyallup Tribe of Indians to provide an update on the TDLE project, virtual meeting on 8/10
- TDLE – Met with the Federal Transit Administration to provide an update on the ADEIS, virtual meeting on 8/12
- TDLE – Met with WSDOT to discuss traffic impacts identified in the ADEIS, virtual meeting on 8/16
- TDLE – Met with the City of Tacoma to discuss traffic impacts identified in the ADEIS, virtual meeting on 8/23
- TDLE – Met with the City of Federal Way to discuss traffic impacts identified in the ADEIS, virtual meeting on 8/26

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

Project has planned 58.5 average FTEs per month for the year 2021. To date, both ST and consultant actual staffing levels have recorded a negative variance (underrun) to the Planned Monthly FTE average. This underrun rate is expecting to be continued as board action on preferred alternative was pushed out.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	30.0	19.9	(10.1)
Consultants	28.5	17.1	(11.4)
TOTAL	58.5	37.0	(22.5)

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
	None this period	

Project Summary

Scope

West Seattle

The West Seattle Extension includes 4.7 miles of light rail from downtown Seattle to West Seattle's Alaska Junction neighborhood and includes a bridge across the Duwamish Waterway.

The Draft EIS includes alternatives on the south and north side of the West Seattle Bridge and elevated and tunnel guideway alternatives in West Seattle Junction.

Ballard

The Ballard Extension includes 7.1 miles of light rail from downtown Seattle to Ballard's Market Street area.

The Draft EIS includes alignment alternatives in Downtown, Interbay, and Ballard; different station depths in Chinatown-International District and Downtown; and bridge and tunnel alternatives across Salmon Bay.

Phase

Planning

Budget

$285.9 M through completion of Preliminary Engineering

Schedule

Target dates:

West Seattle Extension: 2032

Ballard Extension: 2037

Map of Project Alignment

Key Project Activities

- Continued production of the Draft EIS.
- Continued collecting data and conducting fieldwork activities in support of environmental and engineering evaluation.
- Briefed community groups virtually as requested. Provided overview of outreach, project goals, agency roles and near-term opportunities for engagement.
- Continued engagement with partner and regulatory agencies, stakeholder groups and property owners regarding environmental process and next steps.

Project Cost Summary

The West Seattle and Ballard Link Extensions are voter-approved projects under the ST3 Plan. The current Authorized Project Allocation (budget) for the project that has been approved by the Sound Transit Board allows staff to conduct alternatives development, followed by an Environmental Impact Statement, leading to ST Board selection of the project to be built and FTA issuance of a Record of Decision in 2023.

Out of the total Authorized Project Allocation, the project is authorized and planned to incur approximately $25M in 2021 for coordinating Draft EIS development, conceptual engineering; project administration and stakeholder engagement.

The project cost is summarized below in two cost categories. The first table summarizes costs in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The second table summarizes costs in accordance with the FTA's Standard Cost Categories (SCC) format. The figures in both tables are shown in millions.

Cost Summary by Phase

Project Phase	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$63.1	$21.7	$21.5	$63.1	$0.0
Preliminary Engineering	$205.4	$89.5	$83.4	$205.4	$0.0
Final Design	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Services	$0.0	$0.0	$0.0	$0.0	$0.0
3rd Party Agreements	$11.4	$3.1	$1.2	$11.4	$0.0
Construction	$0.0	$0.0	$0.0	$0.0	$0.0
Light Rail Vehicles	$0.0	$0.0	$0.0	$0.0	$0.0
ROW	$6.0	$3.0	$2.3	$6.0	$0.0
Total	**$285.9**	**$117.3**	**$108.4**	**$285.9**	**$0.0**

Cost Summary by SCC

SCC Element	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
10 Guideway & Track	$0.0	$0.0	$0.0	$0.0	$0.0
20 Stations	$0.0	$0.0	$0.0	$0.0	$0.0
30 Support Facilities	$0.0	$0.0	$0.0	$0.0	$0.0
40 Sitework & Special Conditions	$0.0	$0.0	$0.0	$0.0	$0.0
50 Systems	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Subtotal (10 - 50)	**$0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**
60 Row, Land	$5.0	$3.0	$2.3	$5.0	$0.0
80 Professional Services	$263.4	$114.3	$106.1	$263.4	$0.0
90 Unallocated Contingency	$17.5	$0.0	$0.0	$17.5	$0.0
Total (10 - 90)	**$285.9**	**$117.3**	**$108.4**	**$285.9**	**$0.0**

Risk Management

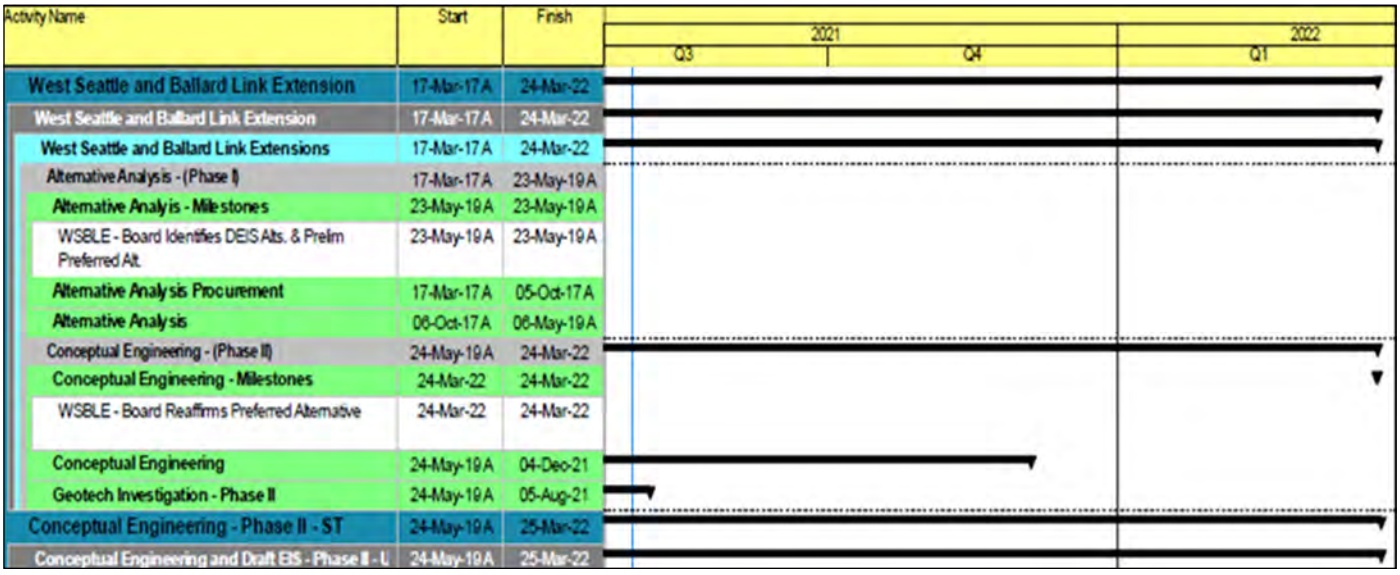
Sound Transit has a vigorous risk management program and is committed to identifying, assessing, and monitoring risks and implementing risk reduction/mitigation actions. Risk Assessment for the West Seattle and Ballard Link Extensions Project is being conducted together with the Project Development process.

Project issues and risks identified at this stage include:

- Reaching stakeholder consensus on a preferred alternative, including third party funding;
- Complexity of alignments in constrained environment with challenging topography and waterway crossings;
- Complexity associated with tunneling through a mature urban environment;
- Potential construction effects in a constrained environment;
- Potential effect on Central Link operations during construction;
- Right-of-way and property impacts;
- Budget risk due to higher current real estate costs and construction costs.

Project Schedule

The Board of Directors announced their realignment decision this month which includes target dates of 2032 for the West Seattle Extension and 2037 for the Ballard Extension. Only near-term schedule activities or those for which a funding agreement, contract, statement of work, or similar commitment has been executed are shown below.


Activity Name
Start
Finish
2021
2022
Q3
Q4
Q1
West Seattle and Ballard Link Extension 17-Mar-17 A 24-Mar-22
West Seattle and Ballard Link Extension 17-Mar-17 A 24-Mar-22
West Seattle and Ballard Link Extensions 17-Mar-17 A 24-Mar-22
Alternative Analysis - (Phase I) 17-Mar-17 A 23-May-19 A
Alternative Analysis - Milestones 23-May-19 A 23-May-19 A
WSBLE - Board Identifies DEIS Alts. & Prelim Preferred Alt 23-May-19 A 23-May-19 A
Alternative Analysis Procurement 17-Mar-17 A 05-Oct-17 A
Alternative Analysis 06-Oct-17 A 06-May-19 A
Conceptual Engineering - (Phase II) 24-May-19 A 24-Mar-22
Conceptual Engineering - Milestones 24-Mar-22 24-Mar-22
WSBLE - Board Reaffirms Preferred Alternative 24-Mar-22 24-Mar-22
Conceptual Engineering 24-May-19 A 04-Dec-21
Geotech Investigation - Phase II 24-May-19 A 05-Aug-21
Conceptual Engineering - Phase II - ST 24-May-19 A 25-Mar-22
Conceptual Engineering and Draft EIS - Phase II - L 24-May-19 A 25-Mar-22

Community Engagement

- Prepared and staffed seven briefings/activities in August 2021 to provide communities along the project corridor with opportunities to learn more about light rail route and station location options being studied in the Draft EIS. The specific dates of each event were :
  - Interim CDA/Historic South Downtown, August 4, 2021
  - Ping Pong Tournament Tabling, August 20, 2021
  - Historic South Downtown Board of Directors, August 24, 2021
  - West Seattle Transportation Coalition, August 26, 2021
  - Seattle Center/Pacific Northwest Ballet and Seattle International Film Festival, August 27, 2021
  - Celebrate Little Saigon Tabling/Festival, August 28 and August 29, 2021
  - Alliance for Pioneer Square Board of Directors, August 30, 2021
- Continued effort to contact stakeholders throughout the project corridor to offer briefings regarding the project alternatives as well as information related to ongoing fieldwork activities.

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE is an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

The planned FTE monthly average takes peaks and valleys in activity into account; whereas the YTD monthly average only reflects January-August actuals. Staffing variance reflects extension of DEIS schedule to accommodate internal and external agency capacity in response to COVID.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	34.3	28.7	(5.6)
Consultants	50.0	37.1	(12.9)
TOTAL	84.3	65.7	(18.6)

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
R2021-05	Establishing a flexible framework to implement the ST2 and ST3 plans	8/5/2021
M2021-43	Contract modification with HNTB Corp. for West Seattle and Ballard Link Extensions	8/26/2021

Progress Report
Sounder Program

Sounder trains travel between Lakewood and Seattle with regular runs weekday morning and afternoons. Sounder also serves select major weekend events such as Mariners, Sounders, and Seahawk games.

August | 2021

Prepared by Project Controls I Portfolio Services Office

Sounder Rail
Sounder North
Sounder South
N
Everett
Mukilteo
Edmonds
Seattle
Bellevue
Tukwila
Kent
Auburn
Tacoma
Sumner
South Tacoma
Tacoma Dome
Puyallup
Lakewood

Auburn Station Parking and Access Improvements: Project includes alternatives identification, screening, environmental documentation, design and construction of station parking and access improvements at or around Auburn Station. The purpose of the project is to improve access to the existing Auburn Sounder station for Sounder riders, bicyclists, bus riders, and drivers.

Edmonds and Mukilteo Stations Parking & Access Improvements: Project will provide parking and access improvements to the Edmonds and Mukilteo Sounder Stations. A variety of access improvements will be considered for each station including bicycle and pedestrian access, pick up/drop off areas, transit integration, and parking.

Kent Station Parking and Access Improvements: Project includes alter natives identification, screening, environmental documentation, design and construction of station parking and access improvements at or around Kent Station. The purpose of the project is to improve access to the existing Kent Sounder station for Sounder riders, bicyclists, bus riders, and drivers.

Lakewood Station Access Improvements: Project will plan, design, and construct a parking facility and provide access improvements to the existing station for bicyclists, bus riders and drivers. This could mean investments in safer walking, rolling and bicycling connections with surrounding neighborhoods; better pick-up and drop-off areas; additional station lighting and weather shelters; parking options and more.

Puyallup Station Access Improvements: Project includes environmental documentation, design and construction of station access improvements at or around Puyallup Station. The purpose of this project is to accommodate and encourage future demand for Sounder ridership in an economically efficient and environmentally sustainable manner.

Sounder South Capacity Expansion: This project establishes a program of capital elements that will improve South Sounder access, capacity, and services in response to increase in demand. Program elements could include platform extensions, track and signal upgrades and other related infrastructure to facilitate additional capacity, and access improvements for pedestrians, bicyclists, buses, and private vehicles, prioritized per Sound Transit's System Access Policy. The elements included in this representative project will be refined during future phases of project development and are subject to change.

Sounder Maintenance Base: Sound Transit will construct a new railroad maintenance facility to service Sounder commuter trains at its expanded Century Yard facility in the City of Lakewood. The building will contain maintenance bays, materials storage areas, offices, and facilities for employees.

South Tacoma Station Access Improvements: Project will plan, design and construct a parking facility and provide access improvements to the existing station for bicyclists, bus riders, and drivers. This could mean investments in safer walking, rolling and bicycling connections between stations and surrounding neighborhoods; better pick-up and drop-off areas; additional station lighting and weather shelters; parking options and more.

Sumner Station Access Improvements: Project includes environmental documentation, design, and construction of station access improvements at or around Sumner Sounder Station. The purpose of this project is to accommodate and encourage future demand for Sounder ridership in an economically efficient and environmentally sustainable manner.

Program Budget

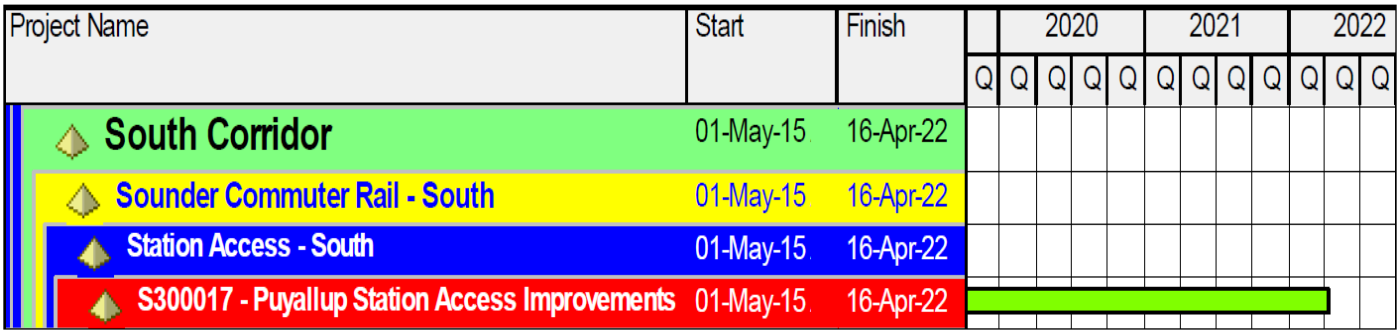
The Authorized Project Allocation reflects the budget for each project through the approved project phase. As projects advance through design into construction the budget will be amended to reflect Board approved actions.

Project	Authorized Allocation	Commitment To Date	Incurred to Date	Estimated Final Cost	Authorized Allocation vs EFC
Auburn Station Access Improvement	$12.6	$6.7	$4.4	$12.6	$0.0
Edmonds & Mukilteo Stations Parking & Access Improvements	$3.9	$0.9	$0.9	$3.9	$0.0
Kent Station Access Improvements	$16.8	$7.9	$5.5	$16.8	$0.0
Lakewood Station Access Improvement	$1.9	$1.3	$0.9	$1.9	$0.0
Puyallup Station Access Improvements	$79.1	$70.4	$47.0	$79.1	$0.0
Sounder Maintenance Base	$12.9	$10.7	$10.0	$12.9	$0.0
Sounder South Capacity Expansion	$17.37	$4.9	$3.7	$17.37	$0.0
South Tacoma Station Access Improvements	$1.5	$0.9	$0.6	$1.5	$0.0
Sumner Station Access Improvements	$17.8	$16.2	$12.9	$17.8	$0.0
Total	**$163.9**	**$120.1**	**$85.9**	**$163.9**	**$0.0**

Figures are shown in millions

Program Schedule

Schedule for select major Sounder projects are summarized below. Projects from the realignment process are not shown. ST is currently updating schedules with ST Board of Director's R2021-05 Realignment Decision.


Project Name
Start
Finish
2020
2021
2022
Q Q Q Q Q Q Q Q Q Q Q Q
South Corridor 01-May-15 16-Apr-22
Sounder Commuter Rail - South 01-May-15 16-Apr-22
Station Access - South 01-May-15 16-Apr-22
S300017 - Puyallup Station Access Improvements 01-May-15 16-Apr-22

Sounder Commuter Rail
Auburn Station Parking and Access Improvements

Project Summary

Scope

The purpose of the project is to improve parking and access to the existing Auburn Sounder Station for Sounder riders, bicyclist, bus riders, and drivers.

Project includes alternatives identification, screening, environmental documentation, design, and construction of station parking and access improvements at or around Auburn Station.

Phase

Complete Environmental/Enter Design & Construction

Budget

$12.6 Million

Schedule

Target Date: 2025

Improving access to Sounder Auburn Station

Key Project Activities

- Team continued to work with DBPM to determine packaging and cost saving strategies for Kent/Auburn/Sumner garages.
- Realignment direction with Delivery in 2025.
- Project team continued development of an agreement to provide funding to WSDOT for traffic mitigation.

Project Cost Summary

The project cost is summarized below in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The figures shown are in millions.

This period expenditures increased by $37K. The incurred cost increased from $4.32M to $4.35M. The majority of this period's costs are attributed to staff costs and design-build project management activities.

Cost Summary by Phase

Project Phase	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$2.4	$1.6	$1.6	$2.4	$0.0
Preliminary Engineering	$3.4	$2.8	$2.6	$3.4	$0.0
Final Design	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Services	$2.0	$1.8	$0.1	$2.0	$0.0
3rd Party Agreements	$0.6	$0.0	$0.0	$0.6	$0.0
Construction	$0.4	$0.0	$0.0	$0.4	$0.0
ROW	$3.8	$0.4	$0.1	$3.8	$0.0
Total	**$12.6**	**$6.7**	**$4.4**	**$12.6**	**$0.0**

Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility to continuously monitor project status and associated risks.

The project team will develop the Risk and Contingency Management Plan (RCMP) during Phase III—Preliminary Engineering phase of the project. The project team plans to conduct a risk assessment workshop in 2022 to identify all the potential risks during design and construction.

The project team reviewed and updated the risk register in June 2021. The team will review and revise the register on a quarterly basis, the next risk register update will be scheduled for September 2021.

The following are the top project wide risks:

- Complexity of property acquisition resulting in a delay to the start of construction
- New building codes impact the project (seismic requirements)
- Additional scope and project change requests from Stakeholders

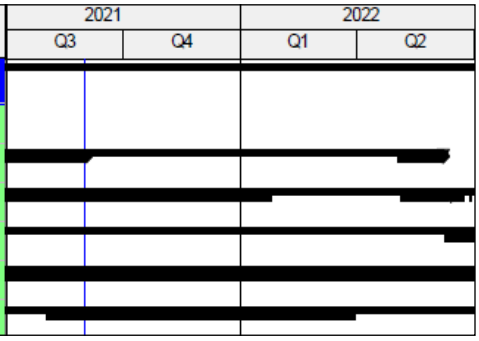
Project Schedule

The Board of Directors announced their realignment decision this month. ST is currently making schedule adjustments in accordance with this direction. At this time, only near-term schedule activities or those for which a funding agreement, contract, statement of work, or similar commitment has been executed are shown.

The project team has engaged the current Design Build Project Management (DBPM) team to help develop the project schedule and begin tasks such as development of the Design-Build Project Requirements, issuance of the Design-Build Procurement RFQ and Baselining.

Other activities underway include initiating property appraisal and condemnation activities, negotiating funding agreement with City of Auburn, expected Q4 2021.

Activity ID	Activity Name	Start	Finish
S300041 - Auburn Station Access Improvement		24-Feb-16 A	03-Jun-26
	Alternative Analysis (Phase I)	24-Feb-16 A	15-Nov-17 A
	Conceptual Engineering (Phase II)	22-Mar-18 A	07-Jun-22
	Preliminary Engineering (Phase III)	13-Dec-18 A	28-Jul-22
	Permits and Agreements	30-Sep-19 A	18-Apr-23
	Right of Way	09-May-19 A	31-Jul-23
	Design-Build Project Management (DBPM)/Constructio	02-Jan-20 A	05-Dec-25



Community Engagement

- Sent out an update about the Board Realignment Decision to the project listserv on August 10th.

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

This month the project focused on evaluating cost saving strategies regarding the Kent, Auburn, and Sumner Station garages.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	3.6	1.3	(2.3)
Consultants	3.0	0.2	(2.8)
TOTAL	6.6	1.5	(5.1)

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
Resolution No. R2021-05	Established a flexible framework to implement the ST2 and ST3 plans that (1) allows project work to proceed right away within the confines of an affordable financial plan; (2) creates opportunities for improved program schedules through project cost reviews, scope changes, additional revenue, and improved economics; and (3) adds an annual Board program review of updated revenue and costs projects to allow the Board to re-visit the realigned capital plan assumptions based on shifts in financial capacity and opportunities to advance projects.	8/5/2021

Sounder Commute Rail
Edmonds and Mukilteo Station Parking & Access Improvements

Project Summary

Scope

The purpose of the project is to provide parking and access improvements to the Edmonds and Mukilteo Sounder Stations, in order to increase ridership on Sounder North.

A variety of access improvements will be considered for each station including bicycle and pedestrian improvements, transit connections, vehicle access, parking and pickup/drop-off areas.

Phase

Planning

Budget

$3.9 Million (Phase 1-2)

Schedule

On hold per Board Realignment Decision.

Sounder Mukilteo Station Access Improvements

Key Project Activities

- Per the ST Board Realignment Decision, this project has been placed on an affordability schedule with an anticipated 10 year delay. See the Executive Summary article on the Board Realignment decision for further details.
- Next steps, including budget amendment to fund Phase 2 work and beginning Phase 2 (environmental and conceptual engineering) work are anticipated to begin in 5+ years.
- This will be the last update on this project until the project resumes. We expect to resume planning for this project no sooner than 2026.

Project Cost Summary

The project cost is summarized below in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The figures shown are in millions. Since July 2021, only $127 project cost incurred as the project is on hold.

Cost Summary by Phase

Project Phase	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$1.0	$0.4	$0.4	$1.0	$0.0
Preliminary Engineering	$2.6	$0.5	$0.5	$2.6	$0.0
Final Design	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Services	$0.0	$0.0	$0.0	$0.0	$0.0
3rd Party Agreements	$0.2	$0.0	$0.0	$0.2	$0.0
Construction	$0.0	$0.0	$0.0	$0.0	$0.0
ROW	$0.1	$0.0	$0.0	$0.1	$0.0
Total	**$3.9**	**$0.9**	**$0.9**	**$3.9**	**$0.0**

Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility to continuously monitor project status and associated risks.

There are no risk workshops scheduled at this time while the project is on hold.

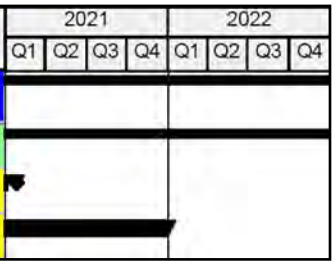
The following are the top project wide risks:

- Challenge in allocating the $40 million project budget between two station areas. This is a decision the ST Board of Directors will make, likely during Phase 2, of the project.
- City partners have expressed interest in more parking, and/or more expensive parking, than appears affordable within the $40 million project budget.

Project Schedule

The Board of Directors announced their realignment decision this month. ST is currently making schedule adjustments in accordance with this direction. At this time, only near-term schedule activities or those for which a funding agreement, contract, statement of work, or similar commitment has been executed are shown. The realignment decision for this project was to put it on hold per Board Resolution No. R2021-05.

Activity ID	Activity Name	Start	Finish
S00087	Edmonds & Mukilteo Stations Parking	08-Jan-18 A	05-May-26
	Preliminary Engineering	08-Jan-18 A	13-Mar-23
	Alternative Analysis - (Phase I)	08-Jan-18 A	28-Jan-21
	Conceptual Engineering - (Phase II)	03-Dec-19 A	31-Dec-21



Community Engagement

- Community outreach needs for the project will be developed and implemented consistent with the Board's realignment decision.

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

Planned FTE is an annual projection. The variance is explained by the fact that advance Phase 2 is on hold due to the Board Realignment decision.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	3.8	0.01	(3.8)
Consultants	0.0	0.0	(0.0)
TOTAL	3.8	0.01	(3.8)

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
Resolution No. R2021-05	Established a flexible framework to implement the ST2 and ST3 plans that (1) allows project work to proceed right away within the confines of an affordable financial plan; (2) creates opportunities for improved program schedules through project cost reviews, scope changes, additional revenue, and improved economics; and (3) adds an annual Board program review of updated revenue and costs projects to allow the Board to revisit the realigned capital plan assumptions based on shifts in financial capacity and opportunities to advance projects.	8/5/2021

Sounder Commuter Rail
Kent Station Parking and Access Improvements

Project Summary

Scope

The purpose of the project is to improve parking and access to the existing Kent Sounder Station for Sounder riders, bicyclists, bus riders, and drivers.

Project includes alternatives identification, screening environmental documentation, design, and construction of station parking and access improvements at or around Kent Station.

Phase

Complete Environmental/Enter Design & Construction

Budget

$16.8 Million

Schedule

Target Date: 2025

Improving access to Sounder Kent Station

Key Project Activities

- Realignment direction with Delivery in 2025.
- Team continued to work with DBPM to determine packaging and cost saving strategies for Kent/Auburn/Sumner garages.

Project Cost Summary

The project cost is summarized below in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The figures shown are in millions.

This period expenditure increased by $81K. The incurred cost increased from $5.4M to $5.5M. The majority of this period's costs is attributed to staff costs, ROW activities and design-build project management activities.

Cost Summary by Phase

Project Phase	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$2.7	$1.8	$1.8	$2.7	$0.0
Preliminary Engineering	$3.4	$3.1	$2.7	$3.4	$0.0
Final Design	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Services	$2.0	$1.8	$0.1	$2.0	$0.0
3rd Party Agreements	$0.1	$0.0	$0.0	$0.1	$0.0
Construction	$0.5	$0.0	$0.0	$0.5	$0.0
ROW	$8.2	$1.2	$1.0	$8.2	$0.0
Total	**$16.8**	**$7.9**	**$5.5**	**$16.8**	**$0.0**

Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility to continuously monitor project status and associated risks.

The project team conducts quarterly risk management workshops to identify, update, and monitor potential risks during design and construction. The next risk register update is scheduled for October 2021.

The following are the top project wide risks:

- Real Estate: Potential challenge to purchase specific parcels for the realigned of Railroad Avenue.
- Geotechnical: Unknown contaminated soils underneath existing building.

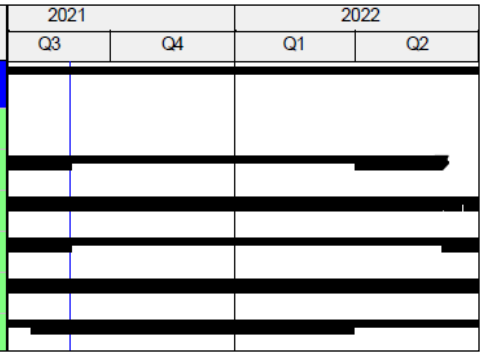
Project Schedule

The Board of Directors announced their realignment decision this month. ST is currently making schedule adjustments in accordance with this direction. At this time, only near-term schedule activities or those for which a funding agreement, contract, statement of work, or similar commitment has been executed are shown.

The project team has engaged the current Design Build Project Management (DBPM) team to help develop the project schedule and begin tasks such as development of the Design-Build Project Requirements, issuance of the Design-Build Procurement RFQ and Baselining.

Other activities underway include initiating property appraisal and condemnation activities, negotiating Development Agreement with the City of Kent and negotiating King County Metro agreement and contribution for bus layover accommodation expected in Q4 2021.

Activity ID	Activity Name	Start	Finish
S300035	Kent Station Access Improvements	24-Feb-16 A	24-May-26
	Alternative Analysis (Phase I)	24-Feb-16 A	15-Nov-17 A
	Conceptual Engineering (Phase II)	22-Mar-18 A	03-Jun-22
	Preliminary Engineering (Phase III)	13-Dec-18 A	28-Jul-22
	Permits and Agreements	01-Apr-19 A	04-Sep-23
	Right of Way	17-Jan-19 A	16-Aug-23
	Design/Build Project Management (DBPM)/Constructi	02-Jan-20 A	25-Nov-25



Community Engagement

- Staffed an information booth at the "Inside OUT Open Air Dining and Marketplace" in downtown Kent on August 21st.
- Sent an update to the project listserv about the Board Realignment Decision on August 10th.

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

This month the project focused on the review of the Development Agreement with the City of Kent. Work advanced on the review of the Development Agreement with the City of Kent. Staff also worked on evaluating cost saving strategies regarding the Kent, Auburn, and Sumner Station garages.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	5.0	1.5	(3.5)
Consultants	3.0	0.3	(2.7)
TOTAL	8.0	1.8	(6.2)

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
Resolution No. R2021-05	Established a flexible framework to implement the ST2 and ST3 plans that (1) allows project work to proceed right away within the confines of an affordable financial plan; (2) creates opportunities for improved program schedules through project cost reviews, scope changes, additional revenue, and improved economics; and (3) adds an annual Board program review of updated revenue and costs projects to allow the Board to revisit the realigned capital plan assumptions based on shifts in financial capacity and opportunities to advance projects.	8/5/2021

Sounder Commuter Rail
Lakewood Station Access Improvements

Project Summary

Scope

This project will plan and design access improvements to the existing station. This could mean investments in safer walking, rolling and bicycling connections between stations and surrounding neighborhoods; better pick-up and drop-off areas; additional station lighting and weather shelters; parking options and more.

During Phase 1 the project will conduct an alternatives evaluation and screening process in order to help identify the Preferred Alternative package of access improvements.

Phase

Planning Phase 1—Alternatives Analysis

Budget

$1.96 Million

Schedule

Target Date: 2030

Lakewood Sounder Station in Pierce County.

Key Project Activities

- Continued to evaluate potential improvements.
- Began preparations for community and stakeholder engagement to occur in the fall.

Lakewood Sounder Station Building

Lakewood Station Passenger Platform Access

Project Cost Summary

The project cost is summarized below. The table summarizes costs in accordance with Sound Transit's budget Work Breakdown Structure (WBS).

This period expenditures increased by $46K with the majority of the amount coming from staff costs and alternative analysis.

Cost Summary by Phase

Project Phase	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$0.5	$0.3	$0.3	$0.5	$0.0
Preliminary Engineering	$1.0	$0.7	$0.4	$1.0	$0.0
Final Design	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Services	$0.0	$0.0	$0.0	$0.0	$0.0
3rd Party Agreements	$0.4	$0.3	$0.2	$0.4	$0.0
Construction	$0.0	$0.0	$0.0	$0.0	$0.0
ROW	$0.0	$0.0	$0.0	$0.0	$0.0
Total	**$1.9**	**$1.3**	**$0.9**	**$1.9**	**$0.0**

Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility to continuously monitor project status and associated risks.

The project team reviewed and updated the risk register in June 2021. The team will review and revise the register on a quarterly basis, the next risk register update will be scheduled for September 2021. Since the project is in early planning, we will learn more about potential risks at the next phase of design.

The following are the top project wide risks:

- Third party, stakeholders or internal ST scope changes could lead to increased costs and delays to the schedule
- There may be too many recommendations that exceed the financial plan budget and schedule

Project Schedule

The Board of Directors announced their realignment decision this month. ST is currently making schedule adjustments in accordance with this direction. At this time, only near-term schedule activities or those for which a funding agreement, contract, statement of work, or similar commitment has been executed are shown. Phase 1 - Alternative Development NTP was issued in Dec 2020 and expected to complete in Q1 2022.

Activity Name	Start	Finish
Lakewood Station Access Improvements -	18-Feb-20 A	10-Dec-28
Perliminary Engineering	18-Feb-20 A	28-Mar-24
Phase I - Alternative Analysis	18-Feb-20 A	24-Feb-22
Alternative Analysis Admin	18-Feb-20 A	04-Nov-21
Alternative Analysis Procurement	25-Sep-20 A	04-Dec-20 A
Alternative Analysis	01-Oct-20 A	24-Feb-22
Prepare Cost Estimate	01-Oct-20 A	15-Oct-20 A
Submit Cost Estimate	16-Oct-20 A	30-Oct-20 A
Alignment and Parcel Maps - Submitted for Pricing - Not Applicable	04-Dec-20 A	04-Dec-20 A
Alternatives Development	04-Dec-20 A	16-Dec-21
Board Identifies DEIS Alts. & Prelim Preferred Alt.	27-Jan-22	24-Feb-22

Community Engagement

- Continued preparations for fall engagement.

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

Currently the project is trending under the planned staffing needs for the project as the project initiation and initial identification of improvements took less effort than planned. As the project gets underway and the evaluation of the improvements begins, we anticipate more staff time will be needed.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	2.2	1.5	(0.7)
Consultants	2.1	1.8	(0.3)
TOTAL	4.3	3.3	(1.0)

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
Resolution No. R2021-05	Established a flexible framework to implement the ST2 and ST3 plans that (1) allows project work to proceed right away within the confines of an affordable financial plan; (2) creates opportunities for improved program schedules through project cost reviews, scope changes, additional revenue, and improved economics; and (3) adds an annual Board program review of updated revenue and costs projects to allow the Board to re-visit the realigned capital plan assumptions based on shifts in financial capacity and opportunities to advance projects.	8/5/2021

Sounder Commute Rail
Puyallup Station Access Improvements

Project Summary

Scope

The purpose of the project is to improve access to the existing Puyallup Sounder station for Sounder riders, bicyclists, bus riders, and drivers.

The proposed project includes an up to five level parking garage and an expansion of a surface lot; together both shall provide a minimum of 600 total stalls. The project also includes a pedestrian bridge over 5th Street Northwest.

Phase

Final Design and Construction

Budget

$79.1 Million

Schedule

Open for Service: Q2 2022

Improving access to Sounder Puyallup Station

Key Project Activities

- Update of project schedule is underway due to recently completed negotiations with the City impacting previously forecast Design Build Notice To Proceed (NTP) date.
- Steel erection at the stair/elevator tower, and pedestrian bridge continues.
- Fire protection/drainage pipes, electrical rough-in work, and installation of cable barriers continue.
- Concrete pour of garage levels is complete at the 5th level.

Closely Monitored Issues

- The Burlington Northern Santa Fe (BNSF) railroad crossing agreements between Sound Transit (ST), the City of Puyallup, and BNSF is executed. Currently working with BNSF on obtaining construction scheduling and pricing.
- ST is working with design consultant to perform investigation to confirm the location of the existing storm lines.
- City of Puyallup provided direction to relocate the 5th Street NW crosswalk from the north side of the pedestrian bridge to the north side of the 2nd Avenue.

Project Cost Summary

The project cost is summarized below in two cost categories. The first table summarizes costs in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The second table summarizes costs in accordance with the FTA's Standard Cost Categories (SCC) format. The figures in both tables are shown in millions.

This period expenditures increased by $3.5M. The incurred cost increased from $43.5M to $47M. The majority of this period's costs are attributed to staff costs, construction management services and $3.2M for the Design-Build construction contract.

Cost Summary by Phase

Project Phase	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$4.6	$4.6	$3.7	$3.7	$4.6	$0.0
Preliminary Engineering	$2.9	$2.7	$2.6	$2.6	$2.7	$0.0
Final Design	$0.2	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Services	$5.2	$5.1	$4.6	$3.3	$5.1	$0.0
3rd Party Agreements	$2.2	$0.1	$0.1	$0.0	$0.0	$0.0
Construction	$58.4	$60.0	$53.0	$31.0	$60.0	$0.0
ROW	$5.6	$6.6	$6.3	$6.3	$6.6	$0.0
Total	**$79.1**	**$79.1**	**$70.4**	**$47.0**	**$79.1**	**$0.0**

Cost Summary by SCC

SCC Element	Baseline Budget	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
10 Guideway & Track	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
20 Stations	$47.1	$31.2	$28.9	$16.2	$31.2	$0.0
30 Support Facilities	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
40 Sitework & Special Conditions	$1.0	$10.0	$8.3	$3.9	$10.0	$0.0
50 Systems	$0.0	$4.3	$2.3	$1.0	$4.3	$0.0
Construction Subtotal (10 - 50)	**$48.0**	**$45.5**	**$39.5**	**$21.1**	**$45.5**	**$0.0**
60 Row, Land	$5.4	$6.6	$6.3	$6.3	$6.6	$0.0
80 Professional Services	$22.0	$25.8	$24.6	$19.6	$25.8	$0.0
90 Unallocated Contingency	$3.7	$1.2	$0.0	$0.0	$1.2	$0.0
Total (10 - 90)	**$79.1**	**$79.1**	**$70.4**	**$47.0**	**$79.1**	**$0.0**

Contingency Management

The Puyallup project budget was baselined in February 2019 with a total contingency of $14.6 M.

Design Allowance (DA) was established to account for unquantified scope at the time of the cost estimate. DA was fully drawn down and no longer reported.

Allocated Contingency (AC) is used to address risks, complexity and unforeseen conditions during the execution of work, including procurement. This period the AC was decreased by $193K due to an executed change order for the S300017 contract.

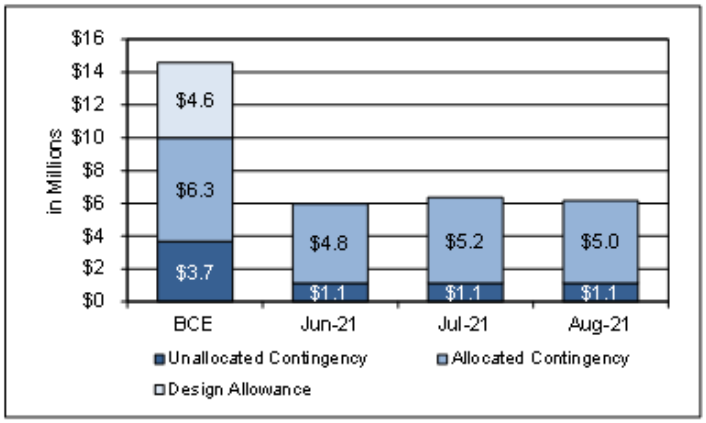
Unallocated Contingency (UAC) is used to address general project-wide cost risks and uncertainties. During this period the UAC reflects no change.

Contingency Status (Monthly)

Type	Baseline		Currrent Status	
	Amount	% of Total Budget	Remaining Amount	% of Work Remaining
Design Allowance	$4.6	5.8%	$0.0	0.0%
Allocated Contingency	$6.3	8.0%	$5.0	15.6%
Unallocated Contingency	$3.7	4.7%	$1.1	3.5%
Total:	**$14.6**	**18.4%**	**$6.1**	**19.1%**

Table figures are shown in millions.

Contingency by Type



Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility to continuously monitor project status and associated risks.

The project team conducts quarterly risk management workshops to identify, update, and monitor potential risks during design and construction. The project team reviewed and updated the risk register in August 2021. The next risk register update is scheduled for November 2021.

The following are the top project wide risks:

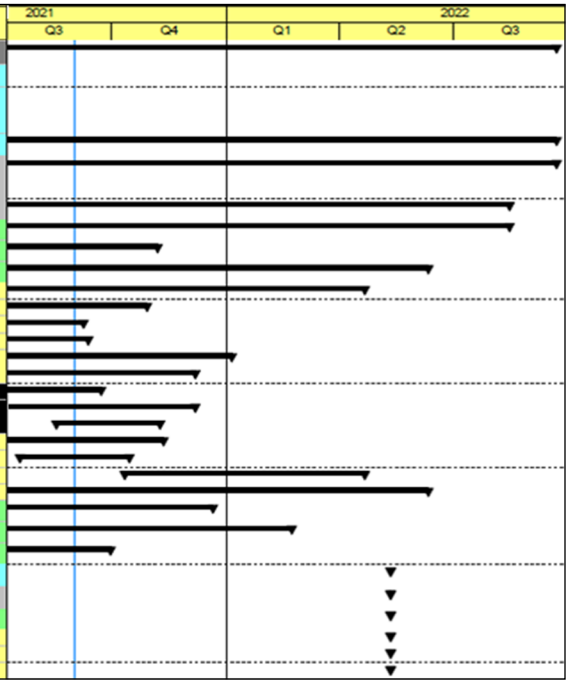
- Real Property– Third Party Agreements. Project revenue service date may be delayed if BNSF agreement with ST regarding the 7th and 5th Street crossing is not resolved by Q1 2021. The team is actively working to mitigate the impacts.
- Rail Road Flaggers– Third Party Agreements. As a result of needing to use the railroad right of way, unavailability of BNSF flaggers may occur, thereby leading to delays to the schedule and increased costs. Risk of impact to 5th street and 7th street and Design-Build construction.

Sounder Commute Rail
Puyallup Station Access Improvements

Project Schedule

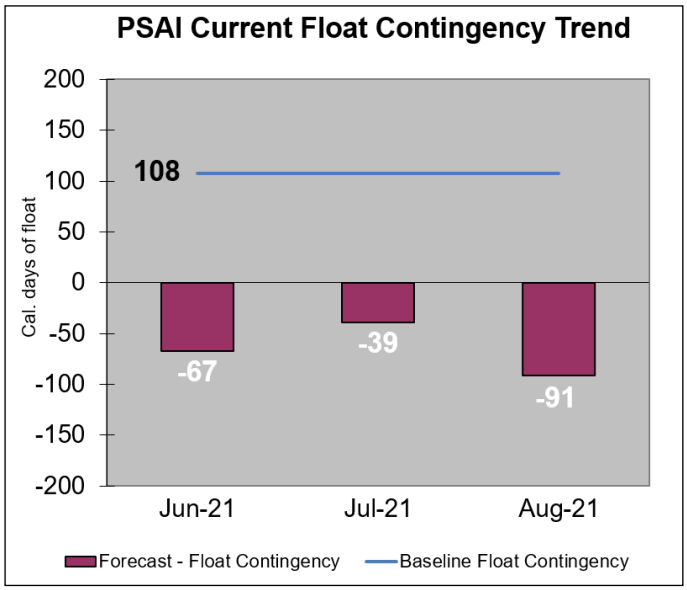
NTP was issued to the contractor in the first quarter of 2020 to commence design and the contractor mobilized on site Q3 2020. The schedule update for this period has been accepted. The contractor is currently dealing with design delays due to changes to proposed traffic mitigation and is looking at possible mitigation for these impacts. Parking Garage completion is currently projected for January 2022 but open for service may be constrained by the traffic mitigation design delays that are pushing project completion into Q2 2022.

Activity Name	Start	Finish
Sounder Commuter Rail - South	01-May-15 A	22-Sep-22
S300017-Puyallup Station Access Improvements - PE	01-May-15 A	20-Mar-19 A
S300017-Puyallup Station Access Improvements - ROW	05-Jul-16 A	31-Mar-21 A
S300017-Puyallup Station Access Improvements - Permits & Third Par	15-Jul-16 A	25-Mar-21 A
S300017-Puyallup Station Access Improvements - Construction	17-Sep-18 A	22-Sep-22
S300017 - Puyallup Station Access and Improvements - Design/Build Project Manag	17-Sep-18 A	22-Sep-22
S300017 - Puyallup Station Access and Improvements - Construction Procurement	17-Sep-18 A	26-Mar-20 A
S300017 - Puyallup Station Access and Improvements - Design/Build - Design and C	26-Mar-20 A	15-Aug-22
Milestones	26-Mar-20 A	15-Aug-22
Design	27-Mar-20 A	06-Nov-21
Construction	27-Mar-20 A	11-Jun-22
Summary	27-Mar-20 A	21-Apr-22
Mobilization	05-Aug-20 A	29-Oct-21
Readiness Review Meetings	17-Nov-20 A	08-Sep-21
Site Preparation	10-Aug-20 A	12-Sep-21
Sitework & Utilities	19-Jan-21 A	05-Jan-22
Garage	04-Jan-21 A	07-Dec-21
Garage - Structure	04-Jan-21 A	22-Sep-21
Garage - Interior	30-Jun-21 A	07-Dec-21
Garage - Exterior	18-Aug-21 A	08-Nov-21
Abutment	18-Mar-21 A	11-Nov-21
Bridge	20-Jul-21 A	15-Oct-21
Street Improvements	11-Oct-21	21-Apr-22
Commissioning & Punchlist	30-Jun-20 A	11-Jun-22
Provisional Sums	08-Sep-20 A	21-Dec-21
Requests For Change / Work Directives	13-Apr-20 A	22-Feb-22
Change Orders	03-Apr-20 A	30-Sep-21
S300017-Puyallup Station Access Improvements - Project Completion	12-May-22	12-May-22
S300017 - Puyallup Station Access and Improvements - Project Completion	12-May-22	12-May-22
Post Construction	12-May-22	12-May-22
Project Float	12-May-22	12-May-22
Open For Service	12-May-22	12-May-22
Transition to Operations	12-May-22	12-May-22



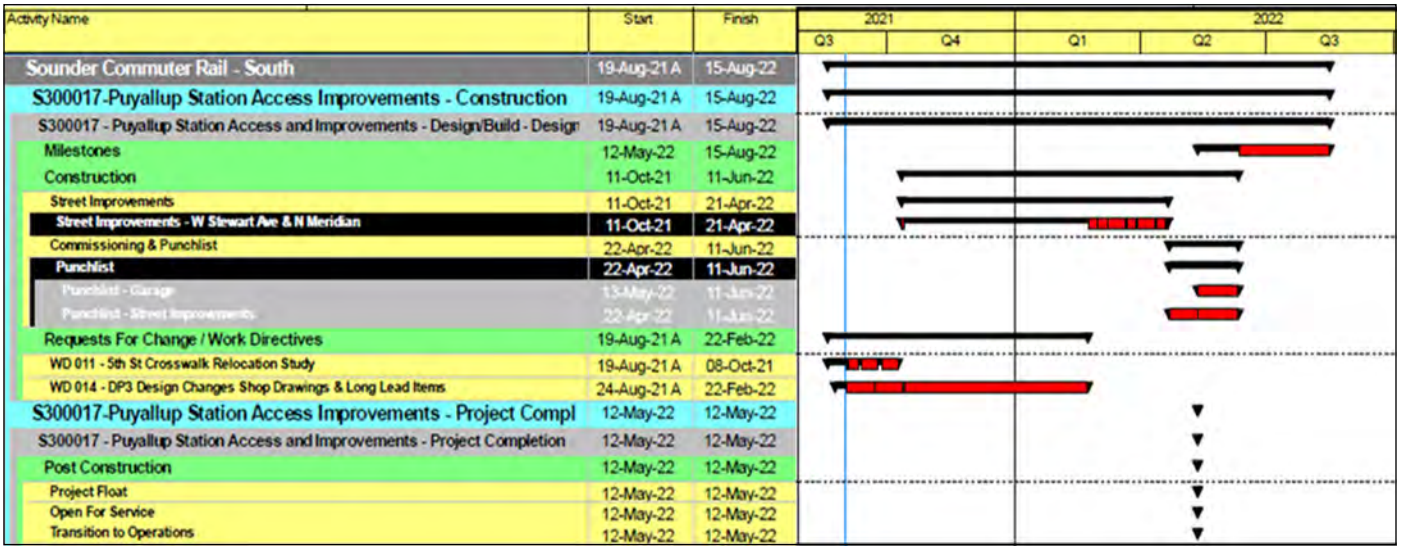
Project Float

The Puyallup station access improvements was baselined with 108 days of project float. Currently, the project is currently calculated to miss the February 10, 2022 open for service date by 91 calendar days due to delays to traffic mitigation design and is reporting a 2nd Qtr completion. For this update. ST and the contractor are working diligently to reduce these impacts to the project. The parking garage construction remains on track for a January 2022 completion.



Critical Path Analysis

The critical path for the Puyallup is currently driven by the design delays to traffic mitigations. However, the work at the parking garage continues to remain on track for completion in January of 2022. We will continue to monitor the schedule and coordination with our Third Party partners on traffic mitigation.

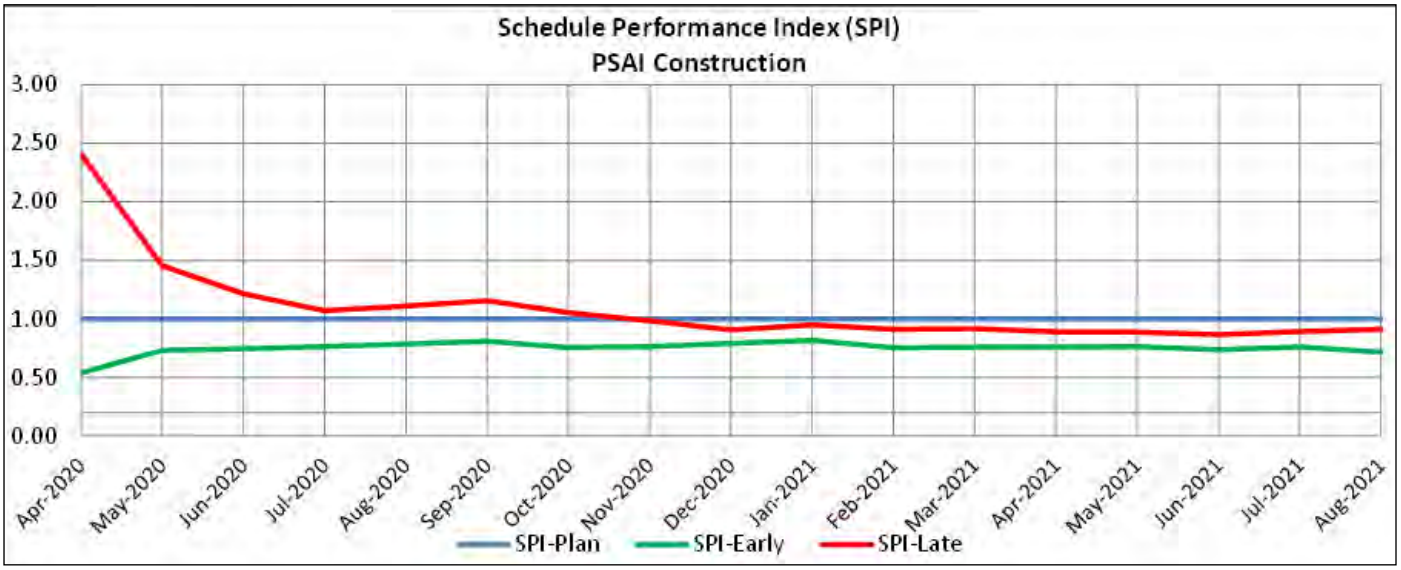


Activity Name	Start	Finish
Sounder Commuter Rail - South	19-Aug-21 A	15-Aug-22
S300017-Puyallup Station Access Improvements - Construction	19-Aug-21 A	15-Aug-22
S300017 - Puyallup Station Access and Improvements - Design/Build - Design	19-Aug-21 A	15-Aug-22
Milestones	12-May-22	15-Aug-22
Construction	11-Oct-21	11-Jun-22
Street Improvements	11-Oct-21	21-Apr-22
Street Improvements - W Stewart Ave & N Meridian	11-Oct-21	21-Apr-22
Commissioning & Punchlist	22-Apr-22	11-Jun-22
Punchlist	22-Apr-22	11-Jun-22
Punchlist - Garage	13-May-22	11-Jun-22
Punchlist - Street Improvements	22-Apr-22	11-Jun-22
Requests For Change / Work Directives	19-Aug-21 A	22-Feb-22
WD 011 - 5th St Crosswalk Relocation Study	19-Aug-21 A	08-Oct-21
WD 014 - DP3 Design Changes Shop Drawings & Long Lead Items	24-Aug-21 A	22-Feb-22
S300017-Puyallup Station Access Improvements - Project Compl	12-May-22	12-May-22
S300017 - Puyallup Station Access and Improvements - Project Completion	12-May-22	12-May-22
Post Construction	12-May-22	12-May-22
Project Float	12-May-22	12-May-22
Open For Service	12-May-22	12-May-22
Transition to Operations	12-May-22	12-May-22

Schedule Performance Index

The early Schedule Performance Index (SPI) for the project is at 0.72 for this period, and the late SPI is at 0.91. The index under 1.0 indicates that the Contractor is behind.

The schedule continues to show some time impacts due to design package permit approvals and procurement of traffic signals. The Contractor is working diligently to reduce these impacts to the project and identify as many opportunities as possible to try to recapture float on future work.



Community Engagement

- Monitored construction activities for impacts to community.
- Issued two construction alerts about nighttime work.
- Issued a project newsletter with construction pictures.

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

Project staffing is on track with planned projections.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	7.3	6.3	(1.0)
Consultants	7.5	7.2	(0.3)
TOTAL	14.8	13.5	(1.3)

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
	None to report this period.	

Construction Safety

Data/Measure	August 2021	Year to Date	Project to Date
Recordable Injury/Illness Cases	0	2	2
Days Away From Work Cases	0	1	1
Total Days Away From Work	22	32	32
First Aid Cases	0	2	2
Reported Near Mishaps	0	5	5
Average Number of Employees on Worksite	53	-	-
Total # of Hours (GC & Subs)	8,497	46,204	48,512
OSHA Incident Rates	**August 2021**	**Year to Date**	**Project to Date**
Recordable Injury Rate	0	8.66	8.25
LTI Rate	0	4.33	4.12
Recordable National Average	**2.80**		
LTI National Average	**1.10**		
Recordable WA State Average	**5.70**		
LTI WA State Average	**2.00**		

Note: Due to the timing of contractor's reporting periods, the current month's numbers above are a combination of actuals and estimates. All previous months' numbers are reconciled and replaced with actuals.

Sounder Commuter Rail
Sounder Maintenance Base

Project Summary

Scope

Sound Transit will design and construct a Sounder Commuter Rail maintenance facility and train yard elements that will include: maintenance shops, repair positions, storage areas, office and employee welfare facilities.

Located in Lakewood, WA on Sound Transit's railroad right of way between Steilacoom Boulevard and 100th Street SW, east of Lakeview Boulevard.

Phase

Design and Construction

Budget

$12.9 Million

Schedule

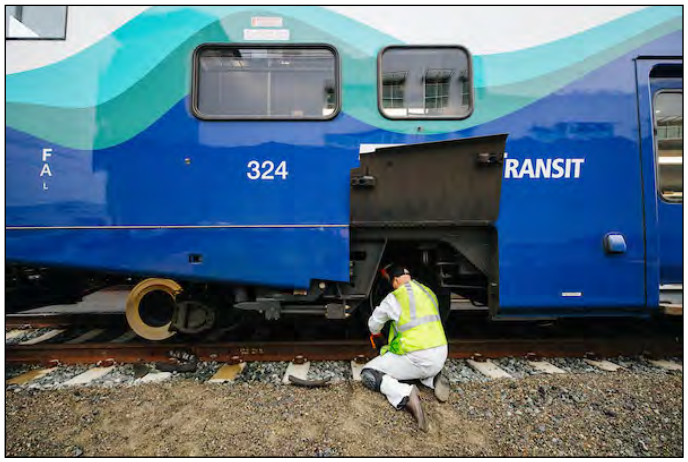
Target Date: 2034, On Hold

Sounder Maintenance Base Project Alignment

Key Project Activities

- Per the ST Board Realignment Decision, this project has been placed delayed. See the Executive Summary article on the Board Realignment decision for further details.
- The Design Build Project Management (DBPM) consultant developed the initial design build project requirements, building program and other procurement documents. Phase 2 of the DBPM Contract is on hold.
- This will be the last update on this project until the project resumes per the realignment decision.

Air filters are changed on a Sound Car



Brake pads are replaced on a Sounder Car

Project Cost Summary

The project cost is summarized below in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The figures shown are in millions.

This period's expenditures increased by $11K. The majority of this period's costs are attributed to staff costs and right of way activities.

Cost Summary by Phase

Project Phase	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$3.6	$2.6	$2.6	$3.6	$0.0
Preliminary Engineering	$3.5	$3.2	$3.0	$3.5	$0.0
Final Design	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Services	$2.0	$1.9	$1.7	$2.0	$0.0
3rd Party Agreements	$0.0	$0.0	$0.0	$0.0	$0.0
Construction	$0.9	$0.3	$0.1	$0.9	$0.0
Light Rail Vehicles	$0.0	$0.0	$0.0	$0.0	$0.0
ROW	$3.0	$2.7	$2.5	$3.0	$0.0
Total	**$12.9**	**$10.7**	**$9.9**	**$12.9**	**$0.0**

Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility to continuously monitor project status and associated risks.

The project team conducts risk management workshops to identify, update and monitor potential risks during design and construction. The project team completed a quantitative risk analysis to evaluate confidence in the current budget and schedule. The analysis established contingency levels and schedule float for the project baseline. The analysis has identified the following as the top project risks and proposed mitigations:

- Advanced utility relocation delays - *Risk Mitigation*: Execute agreements with the utility companies in advance of the design-build team mobilizing. Monitor progress on a regular basis.
- Implementing new form of contracting: Design Build Guaranteed Maximum Price Contract. - *Risk Mitigation*: Work closely with Design Build Project Management and Sound Transit team to modify contract documents. Seek Sound Transit sponsorship to accomplish timely review and approval of changes.
- ROW acquisition delay - *Risk Mitigation*: Monitor Sound Transit Real Estate negotiations and obtain possession and use of property being acquired.

Project Schedule

The Board of Directors announced their realignment decision this month. ST is currently making schedule adjustments in accordance with this direction. The realignment decision for this project was to put it on hold per Board Resolution No. R2021-05.

Sounder Maintenance Base initial draft Design-Build (DB) Project Requirements were completed in June 2020 and will be incorporated into the DB Request For Qualifications (RFQ). Issuance of the DB RFQ is currently on hold. Approval of a change order for the Design-Build Project Management (DBPM) team to develop the final Project Requirements for the Design-Build Procurement RFP and Construction Services support is also on hold.

Community Engagement

- We are monitoring outreach needs for the project and are available to answer any questions.

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

Variance between the planned and actual FTE figures is the result of the project being on hold per Board realignment decision.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	6.7	0.3	(6.4)
Consultants	2.6	0.0	(2.6)
TOTAL	9.3	0.3	(9.0)

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
Resolution No. R2021-05	Established a flexible framework to implement the ST2 and ST3 plans that (1) allows project work to proceed right away within the confines of an affordable financial plan; (2) creates opportunities for improved program schedules through project cost reviews, scope changes, additional revenue, and improved economics; and (3) adds an annual Board program review of updated revenue and costs projects to allow the Board to revisit the realigned capital plan assumptions based on shifts in financial capacity and opportunities to advance projects.	8/5/2021

Sounder Commuter Rail
Sounder South Capacity Expansion

Program Summary

Scope

This project will establish a program of capital elements that will be used to enhance South Sounder capacity, services and access in response to increased demand.

Program elements could include platform extensions, track and signal upgrades and other related infrastructure to facilitate additional capacity, and access elements such as improvements for pedestrians, bicyclists, buses, and private vehicles, prioritized per Sound Transit's System Access Policy.

The Sounder Strategic Development and Implementation Plan is now complete that includes a program of proposed capital projects.

Phase

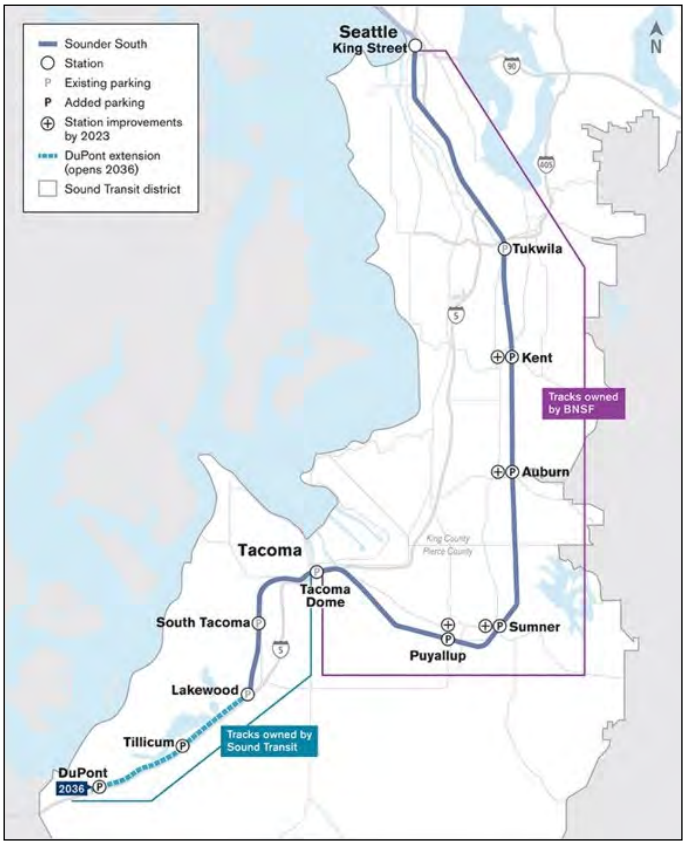
Planning

Budget

$17.37 Million

Schedule

Target Dates: 2036-2046, varies by Program Element



Sounder South Capacity map alignment

Program Key Activities

Per the ST Board Realignment Decision elements of this program have been delayed with target dates ranging from 2036 through 2046.

Program level activities are highlighted below. Project specific elements are detailed in their own sections on the following pages.

Sounder South Project Development Key Activities

- Sound Transit and BNSF Railway finalized the results of the Path Finding Study and the report recommendations.
- The Sounder South program is coordinating with the Tacoma Dome Link Extension team to identify potential conflict points with the representative alignments on both corridors.

The following Sounder South Capacity Expansion (SSCE) Program planning projects approved by the Sound Transit Board to move forward into Planning Phase 1 Alternative Analysis phase.

- King Street Station Platform Improvements
- BNSF Platform Extension at Auburn Station location
- **These priority projects are summarized next followed by the common program reporting elements.**

King Street Station Platform Improvements

This project focuses on extending platforms and improving access and pedestrian flow at King Street Station to accommodate 10-car trains. Project elements may include improvements for vertical circulation of passengers to and from the platform, expanded pick up/drop-off areas, improvements to crossing 4th Ave South, and other improvements that would improve passenger experience at the station platform.

Key Activities

- Continue development of a memo to document baseline conditions at the station and identify current issues at the station.
- Working closely with the West Seattle Ballard Link Extension (WSBLE) team on the conceptual design phase of the Chinatown/International District Station which is in close vicinity of the King Street Station. Key members of the WSBLE team are invited to participate in the bi-weekly KSS project team meetings.

Community Engagement

- No community outreach activities to report this month.

BNSF Platform Extension

This project focuses on extending platforms at Sounder South stations on the BNSF right of way (Tukwila, Kent, Auburn, Sumner, Puyallup) to accommodate 10-car trains, up from the existing 7-car trains. Project elements may include and other related infrastructure to facilitate additional capacity, and access elements such as improvements for pedestrians, bicyclists, buses, and private vehicles, prioritized per Sound Transit's System Access Policy.

While most stations have a logical path to extend platforms, Auburn Station is physically constrained with Main Street and a BNSF track connection to Stampede Pass restricting options to extend platforms, requiring additional alternatives evaluation to determine future improvements in the platform area.

Key Activities

- Developed draft alternatives analysis report to evaluate options to extend platforms at Auburn Station with an initial ranking by project feasibility.
- Engaged with BNSF Railway and the City of Auburn to refine alternatives and associated improvements in the evaluation process.

Community Engagement

- No community outreach activities to report this month.

Program Reporting Elements

While in the Planning phase, priority projects are being managed under a shared budget, schedule and staffing plan.

Project Cost Summary

The project cost is summarized below in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The figures shown are in millions.

This period expenditures increased by $147K with the majority of the amount coming from staff costs, alternative analysis and third party coordination.

Cost Summary by Phase

Project Phase	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$3.9	$1.5	$1.5	$3.9	$0.0
Preliminary Engineering	$12.1	$3.0	$1.8	$12.1	$0.0
Final Design	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Services	$0.0	$0.0	$0.0	$0.0	$0.0
3rd Party Agreements	$1.1	$0.4	$0.4	$1.1	$0.0
Construction	$0.0	$0.0	$0.0	$0.0	$0.0
ROW	$0.2	$0.0	$0.0	$0.2	$0.0
Total	**$17.4**	**$4.9**	**$3.7**	**$17.4**	**$0.0**

Totals may not equal column sums due to rounding of line entries.

Project Schedule

The Board of Directors announced their realignment decision this month. ST is currently making schedule adjustments in accordance with this direction. At this time, only near-term schedule activities or those for which a funding agreement, contract, statement of work, or similar commitment has been executed are shown.

The second Mainline Track Study and Report has been finalized and completed on 6/28/21. Current Finish Date for Ph-1 reflects the inclusion of King Street Station Platform Improvement Project.

Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility to continuously monitor project status and associated risks.

The program team held the first risk management workshop to identify potential risks to the projects currently in alternatives analysis (King Street Station Platform Improvements and BNSF Platform Extensions). The project team reviewed and updated the risk register in May 2021. The team will review and revise the register on a quarterly basis, the next risk register update will be September 2021.

The following are the top project wide risks:

- Potential for increased scope of work to accommodate additional accessibility or safety features not originally included in the project template.
- Cost increases associated with right-of-way and potential mitigations resulting from negotiations with local jurisdictions and BNSF.

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

The staffing variance is attributed to the majority of the SCCE Program's activities being on pause during the capital program realignment process.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	7.7	3.0	(4.7)
Consultants	28.6	1.9	(26.7)
TOTAL	36.3	4.9	(31.4)

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
Resolution No. R2021-05	Established a flexible framework to implement the ST2 and ST3 plans that (1) allows project work to proceed right away within the confines of an affordable financial plan; (2) creates opportunities for improved program schedules through project cost reviews, scope changes, additional revenue, and improved economics; and (3) adds an annual Board program review of updated revenue and costs projects to allow the Board to re-visit the realigned capital plan assumptions based on shifts in financial capacity and	8/5/2021

Sounder Commuter Rail
South Tacoma Access Improvements

Project Summary

Scope

This project will plan, design and construct a parking facility and provide access improvements to the existing station. This could mean investments in safer walking, rolling and bicycling connections between stations and surrounding neighborhoods; better pick-up and drop-off areas; additional station lighting, weather shelters; parking options and more.

During Phase 1 the project will conduct an alternatives evaluation and screening process in order to help identify the Preferred Alternative package of access improvements.

Phase

Planning Phase 1—Alternatives Analysis

Budget

$1.53 Million

Schedule

Target Date: 2030

South Tacoma Station in Pierce County.

Key Project Activities

- Continued to identify improvements to evaluate as part of the project
- Conducted a Level 1 Evaluation of potential improvements
- Engaged with internal and external stakeholders to identify improvements to evaluate

South Tacoma Station Building

South Tacoma Station Passenger Platform Access

Project Cost Summary

The project cost is summarized below in two cost categories. The first table summarizes costs in accordance with Sound Transit's budget Work Breakdown Structure (WBS).

This period expenditures increased by $72K with the majority of the amount coming from staff costs, and alternative analysis.

Cost Summary by Phase

Project Phase	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$0.5	$0.2	$0.2	$0.5	$0.0
Preliminary Engineering	$1.0	$0.7	$0.4	$1.0	$0.0
Final Design	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Services	$0.0	$0.0	$0.0	$0.0	$0.0
3rd Party Agreements	$0.0	$0.0	$0.0	$0.0	$0.0
Construction	$0.0	$0.0	$0.0	$0.0	$0.0
Light Rail Vehicles	$0.0	$0.0	$0.0	$0.0	$0.0
ROW	$0.0	$0.0	$0.0	$0.0	$0.0
Total	**$1.5**	**$0.9**	**$0.6**	**$1.5**	**$0.0**

Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility to continuously monitor project status and associated risks.

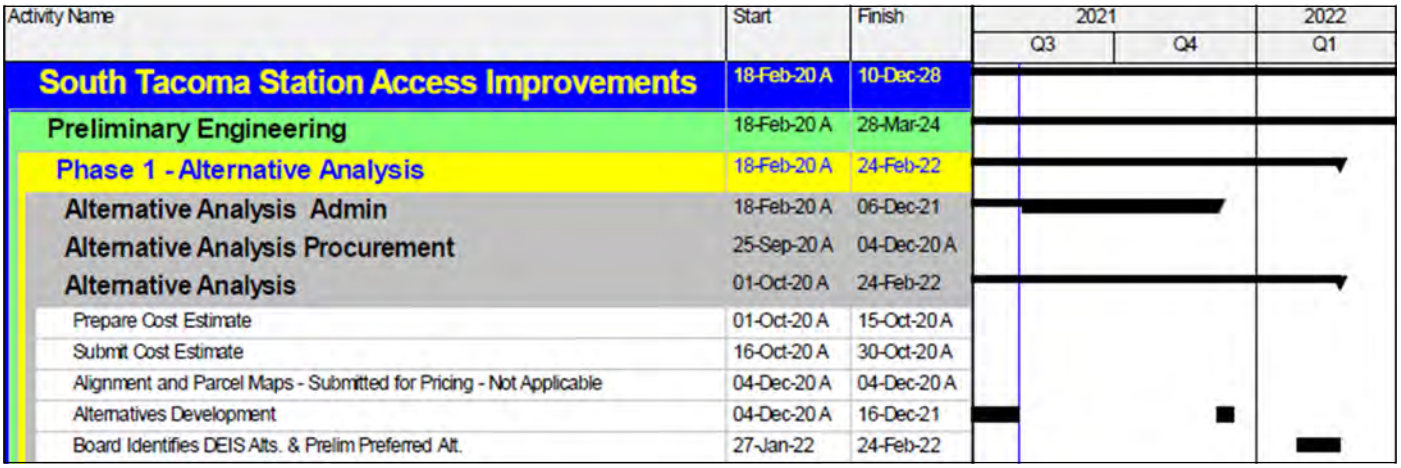
The project team reviewed and updated the risk register in June 2021. The team will review and revise the register on a quarterly basis, the next risk register update will be scheduled for September 2021. Since the project is in early planning, we will learn more about potential risks at the next phase of design.

The following are the top project wide risks:

- Third party, stakeholders or internal ST scope changes could lead to increased costs and delays to the schedule
- There may be too many recommendations that exceed the financial plan budget and schedule

Project Schedule

The Board of Directors announced their realignment decision this month. ST is currently making schedule adjustments in accordance with this direction. At this time, only near-term schedule activities or those for which a funding agreement, contract, statement of work, or similar commitment has been executed are shown. Phase 1 - Alternative Development NTP was issued in Dec 2020 and expected to complete in Q1 2022.


Activity Name
Start
Finish
2021
2022
Q3
Q4
Q1
South Tacoma Station Access Improvements 18-Feb-20 A 10-Dec-28
Preliminary Engineering 18-Feb-20 A 28-Mar-24
Phase 1 - Alternative Analysis 18-Feb-20 A 24-Feb-22
Alternative Analysis Admin 18-Feb-20 A 06-Dec-21
Alternative Analysis Procurement 25-Sep-20 A 04-Dec-20 A
Alternative Analysis 01-Oct-20 A 24-Feb-22
Prepare Cost Estimate 01-Oct-20 A 15-Oct-20 A
Submit Cost Estimate 16-Oct-20 A 30-Oct-20 A
Alignment and Parcel Maps - Submitted for Pricing - Not Applicable 04-Dec-20 A 04-Dec-20 A
Alternatives Development 04-Dec-20 A 16-Dec-21
Board Identifies DEIS Alts. & Prelim Preferred Alt. 27-Jan-22 24-Feb-22

Community Engagement

- Continued preparations for fall engagement.

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

Currently the project is trending under the planned staffing needs for the project as the project initiation and initial identification of improvements took less effort than planned. As the project gets underway and the evaluation of the improvements begins, we anticipate more staff will be needed.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	1.8	1.6	(0.2)
Consultants	2.1	1.9	(0.2)
TOTAL	3.9	3.5	(0.4)

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
Resolution No. R2021-05	Established a flexible framework to implement the ST2 and ST3 plans that (1) allows project work to proceed right away within the confines of an affordable financial plan; (2) creates opportunities for improved program schedules through project cost reviews, scope changes, additional revenue, and improved economics; and (3) adds an annual Board program review of updated revenue and costs projects to allow the Board to re-visit the realigned capital plan assumptions based on shifts in financial capacity and opportunities to advance projects.	8/5/2021

Sounder Commuter Rail
Sumner Station Access Improvements

Project Summary

Scope

The purpose of the project is to provide increased access to parking by adding 505 net new spaces and new bus loop.

Project includes alternative identification, screening, environmental documentation, design and construction of station access improvement at or around Sumner Station.

Phase

Complete Environmental/Enter Design & Construction

Budget

$17.8 Million

Schedule

Target Date: 2025

Improving access to Sounder Sumner Station

Key Project Activities

- Design-Build procurement documents finalized.
- Realignment direction with delivery in 2025.
- Contribution to City of Sumner's SR 410/Traffic Avenue Interchange Improvements Project (Traffic Avenue Project) for 2020/2021 expenditures, which is now substantially complete.

Project Cost Summary

The project cost is summarized below in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The figures shown are in millions.

This period's expenditures increased by $1.68M. The majority of this period's costs are attributed to staff costs and contribution for SR 410/Traffic Interchange Improvements.

Cost Summary by Phase

Project Phase	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$2.5	$1.8	$1.8	$2.5	$0.0
Preliminary Engineering	$2.7	$2.6	$2.6	$2.7	$0.0
Final Design	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Services	$0.0	$0.0	$0.0	$0.0	$0.0
3rd Party Agreements	$7.6	$7.6	$4.6	$7.6	$0.0
Construction	$0.4	$0.1	$0.1	$0.4	$0.0
ROW	$4.6	$4.1	$3.9	$4.6	$0.0
Total	**$17.8**	**$16.2**	**$12.9**	**$17.8**	**$0.0**

Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility to continuously monitor project status and associated risks.

The project team conducts quarterly risk management workshops to identify, update, and monitor potential risks during design and construction. The next risk register update is scheduled for November 2021.

The following are the top project wide risks:

- Third Party Agreements to be finalized before contract award. Sound Transit staff have finalized a draft of the Conditional Use Permit; readying for a meeting with the city once key open issues have been addressed.
- Environmental-Contamination (Soil &/or Water): Inclusion of a work plan has been included in the procurement documents to mitigate and address remediation of contaminated materials. This will be the first line of work the contractor will perform once they are approved to proceed with construction.

Project Schedule

The Board of Directors announced their realignment decision this month. ST is currently making schedule adjustments in accordance with this direction. At this time, only near-term schedule activities or those for which a funding agreement, contract, statement of work, or similar commitment has been executed are shown.

Board September Re-Alignment Motion allowed advancing DBPM option focusing on near term actions that can help inform the board in making better realignment choices next year. Project Procurement documents are complete; Procurement for Issuance of the Design-Build Request For Qualifications (RFQ) is upcoming. Finalizing agreements for replacement parking during construction.

The project is in the Preliminary Engineering phase, the preliminary engineering work overall is complete, the primary remaining activities in this phase are to initiate Design-Build procurement and Baseline the project. Right-of-Way acquisitions are in progress and are forecast to be completed in advance of the area of construction needed for the Design-Build contractor's construction activities.

Activity ID	Activity Name	Start	Finish
S300018	Sumner Station Parking and	01-May-15 A	29-Dec-25
A1000	Alternative Analysis (Phase I)	01-May-15 A	26-May-16 A
A1010	Conceptual Engineering (Phase II)	01-May-15 A	14-Mar-16 A
A1020	Preliminary Engineering (Phase III)	14-Jul-16 A	22-Sep-22
A1030	Permits and Agreements	01-Mar-16 A	01-Sep-21
A1040	Right of Way	22-Sep-16 A	12-Dec-22
A1050	Design-Build Project Management	24-Sep-20 A	24-Jan-25
A1060	Design-Build Contract (DB)	03-Sep-19 A	24-Jan-25

Community Engagement

- Sent out an update about Board Realignment Decision to the project listserv on August 10th.

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

This month the project was focused on evaluating cost saving strategies regarding the Kent, Auburn, and Sumner Station garages.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	6.2	0.5	(5.7)
Consultants	0.0	0.0	0.0
TOTAL	6.2	0.5	(5.7)

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
Resolution No. R2021-05	Established a flexible framework to implement the ST2 and ST3 plans that (1) allows project work to proceed right away within the confines of an affordable financial plan; (2) creates opportunities for improved program schedules through project cost reviews, scope changes, additional revenue, and improved economics; and (3) adds an annual Board program review of updated revenue and costs projects to allow the Board to revisit the realigned capital plan assumptions based on shifts in financial capacity and opportunities to advance projects.	8/5/2021

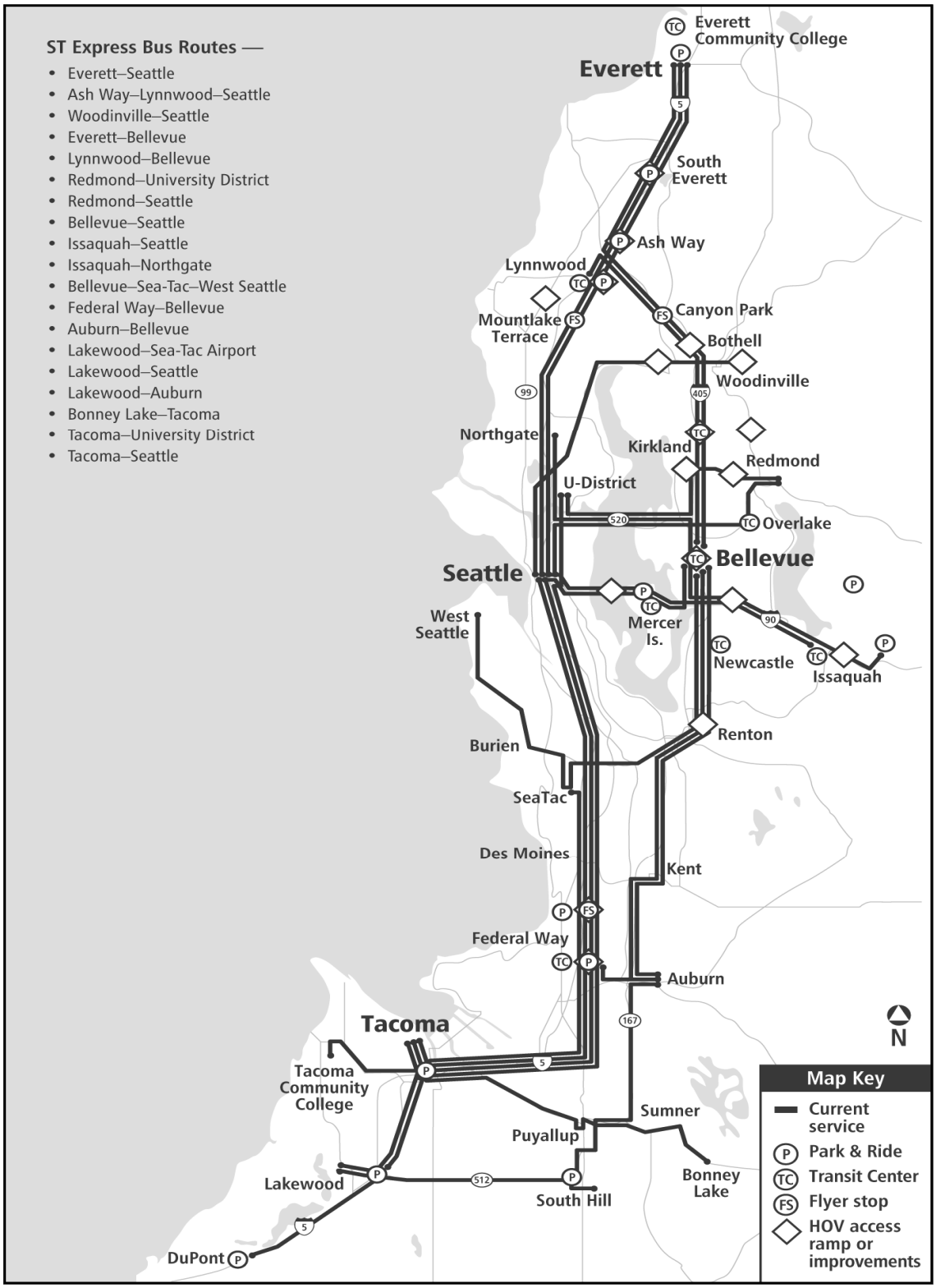
Progress Report

Regional Express & STRIDE Programs

ST Express Bus routes connects major regional hubs throughout the three counties (King, Pierce, and Snohomish)

August | 2021

Prepared by Project Controls I Portfolio Services Office



ST Regional Express Bus Routes

Bus Base North: This project establishes the operations and maintenance facility necessary to support to support BRT operations. The Bus Base North will accommodate up to 120 buses to serve I-405 and SR 522/145th BRT and some ST Express routes.

Bus on Shoulder: This program provides opportunities for buses to use shoulders on freeway and state route facilities during periods of congestion in general traffic and/or HOV lanes. This program will require coordination and further study with transit partners, WSDOT and Federal Highway Administration in order to determine locations where Bus on Shoulder may be feasible.

I-405 Bus Rapid Transit: This project establishes Bus Rapid Transit (BRT) from the Lynnwood Transit Center to Bellevue Transit Center and Burien Transit Center via I-405 and SR 518. The project relies on the I-405 express toll lane system where available, and Business Access Transit (BAT) lanes on SR 518 from Tukwila to Burien. Project elements include parking, station access improvements, and 11pairs of stations, including a new transit center in South Renton and new stations at Northeast 85th Street with connection to Downtown Kirkland and at Northeast 44th Street in Renton.

North Sammamish Park & Ride: The project includes the planning, design and construction of a park and ride facility. The North Sammamish Park and Ride will provide up to 200 parking spaces in the north end of the City of Sammamish.

SR522 Bus Rapid Transit: This project establishes BRT from the Link station at I-5 and Northeast 145th Street to UW Bothell, with service continuing at lower frequencies to Woodinville. On Northeast 145th Street, this project includes transit priority spot treatments to facilitate BRT movement through corridor bottlenecks. On SR 522 the majority of the corridor through Lake Forest Park, Kenmore and Bothell will feature BAT lanes, with transit-supportive enhancements on arterials from downtown Bothell to UW Bothell. This project includes nine pairs of stations, with additional parking at Lake Forest Park, Kenmore and Bothell and an expanded transit center at UW Bothell.

ST Express Bus Base: Sound Transit is evaluating the need for an operations and maintenance base. Project development activities include confirmation of fleet operations; facilities and site programming; and identification of site alternatives. Project is currently on hold, but being re-evaluated by senior management.

Program Budget

The Authorized Project Allocation reflects the budget for each project through the approved project phase. As projects advance through design into construction the budget will be amended to reflect Board approved actions.

Project	Authorized Allocation	Commitment To Date	Incurred to Date	Estimated Final Cost	Authorized Allocation vs EFC
Bus Base North	$48.7	$38.9	$38.2	$48.7	$0.0
Bus on Shoulder	$3.9	$0.8	$0.8	$3.9	$0.0
I-405 Bus Rapid Transit	$268.3	$202.8	$89.4	$268.3	$0.0
North Sammamish Park & Ride	$2.1	$0.3	$0.3	$2.1	$0.0
SR 522/NE 145th St Bus Rapid Transit	$148.6	$48.6	$43.8	$148.6	$0.0
ST Express Bus Base	$5.8	$3.2	$1.3	$5.8	$0.0
Total	**$477.3**	**$294.5**	**$173.7**	**$477.4**	**$0.0**

Figures are shown in millions

Program Schedule

All projects within the Regional Express and STRIDE programs were part of the realignment process. Projects in the realignment process are not shown. ST is currently assessing impacts from the ST Board of Director's R2021-05 Realignment Decision.

A graphic of the revised timelines will be displayed following the conclusion of the realignment process.

Regional Express & STRIDE
Bus Base North

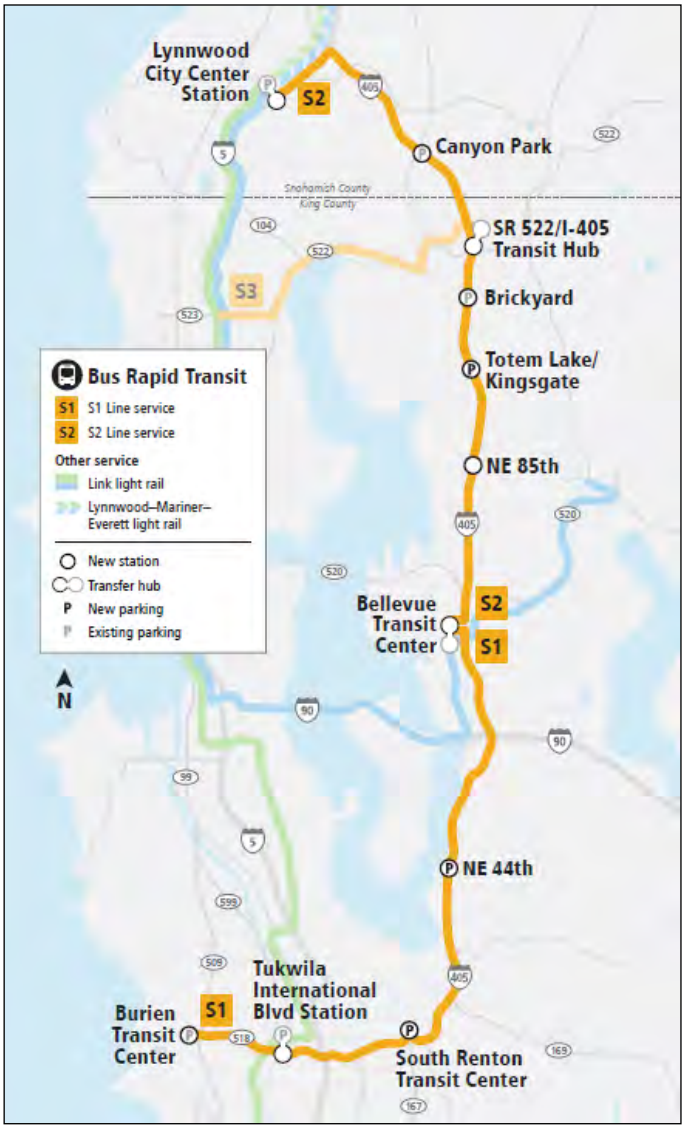
Project Summary

Scope The Bus Base North will accommodate up to 120 buses to serve I-405 and SR 522/145th BRT and some ST Express routes.

Phase Conceptual Engineering/Environmental Review

Budget $48.7 Million

Schedule Target Date: 2025



Map of Project Alignment

Key Project Activities

- Per the ST Board Realignment Decision, this project has a target date of 2025.
- State Environmental Policy Act (SEPA) Determination of Non-significance (DNS) appeal has been resolved.
- Addressing the Business Park's Codes, Covenants and Restriction (CCRs).
- The Sound Transit Board selected the Project to be Built

Project Cost Summary

The project cost is summarized below in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The figures are shown in millions.

This period the project cost incurred increased by around $99K. This is primarily due to Sound Transit staff time, legal services, progress on preliminary engineering and environmental with the consultant, and some ROW activities.

Cost Summary by Phase

Project Phase	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$4.4	$1.9	$1.9	$4.4	$0.0
Preliminary Engineering	$2.3	$1.7	$1.3	$2.3	$0.0
Final Design	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Services	$0.0	$0.0	$0.0	$0.0	$0.0
3rd Party Agreements	$0.2	$0.1	$0.0	$0.2	$0.0
Construction	$0.0	$0.0	$0.0	$0.0	$0.0
Right-of-Way (ROW)	$41.8	$35.2	$35.0	$41.8	$0.0
Total	**$48.7**	**$38.9**	**$38.2**	**$48.7**	**$0.0**

Risk Management

The BRT Project Team will develop the Risk and Contingency Management Plan (RCMP) during the Design/Build phase of the project. The project team will then conduct a risk management workshop to identify all the potential risks during design and construction. The risk register will be updated and monitored quarterly.

The top project risk and proposed mitigation is below:

- Soil conditions could require additional special foundations. Risk Mitigation: additional review of soil testing and borings, additional construction funds to address soil concerns are recommended to be budgeted.
- Addressing the Business Park Codes, Covenants and Restrictions: performing additional noise and vibration analysis.
- The project delivery method is being readdressed to align with the Board Realignment schedule.

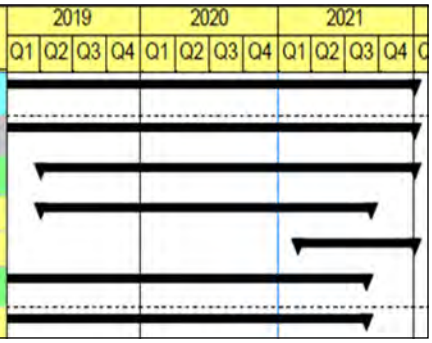
Project Schedule

The Board of Directors announced their realignment decision this month. ST is currently making schedule adjustments in accordance with this direction. At this time, only near-term schedule activities or those for which a funding agreement, contract, statement of work, or similar commitment has been executed are shown.

The current phase, Conceptual Engineering/Environmental review, commenced in Q2 2019 and is now anticipated to complete in Q3 2021.

The current critical path for Bus Base North is conceptual engineering, acquiring rights to deviate from restrictive covenants that prohibit Sound Transit's proposed use for the property, developing project requirements, permitting/agreements, design-build procurement, design-builder final design, permitting, construction, integration with intelligent transportation system (ITS), preparation for and readiness of Bus Base North for new BRT bus fleet and service line activation.

Activity ID	Activity Name	Start	Finish
	STRIDE - I-405 Bus Rapid Transit (BRT)	21-Nov-17 A	03-Jan-22
	STRIDE - BRT - Bus Base North (CUD01)	21-Nov-17 A	03-Jan-22
	BRT - Bus Base North - Preliminary Engineering	08-Apr-19 A	03-Jan-22
	BRT - Bus Base North - Conceptual Engineering - Phase II	08-Apr-19 A	10-Sep-21
	BRT - Bus Base North - Preliminary Engineering - Phase III	24-Feb-21	03-Jan-22
	BRT - Bus Base North Right of Way (ROW) / Property Acquisition	21-Nov-17 A	26-Aug-21
	BRT BBN ROW Acquisitions	21-Nov-17 A	26-Aug-21



Community Engagement

We are committed to proactively seeking public input during all stages of the project. The I-405 BRT Community Engagement and Communication Guide establishes a stakeholder engagement process that helps ensure priorities of local communities are heard and considered along with the project-wide goals. We will collaborate with elected officials, partner staff and adjacent property owners during the project. Sound Transit is working closely with the City of Bothell on the Bus Base North project.

- We are monitoring outreach needs for the project and are available to answer any questions.
- Planning began for neighbor outreach for construction.

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

Planned FTE is an annual projection. The variance in ST staff level of effort will reduce once final design starts with the GEC contract (DBPM option is not considered anymore).

Consultant staff are currently working on Phase 2 and Phase 3.

Capacity's increase of the GEC contract has been approved. First Task Order for Bus Base North should be issued in October 2021.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	6.6	2.6	(4.0)
Consultants	1.0	0.6	(0.4)
TOTAL	7.6	3.2	(4.4)

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
R2021-05	Established a flexible framework to implement the ST2 and ST3 plans that (1) allows project work to proceed right away within the confines of an affordable financial plan; (2) creates opportunities for improved program schedules through project cost reviews, scope changes, additional revenue, and improved economics; and (3) adds an annual Board program review of updated revenue and costs projects to allow the Board to revisit the realigned capital plan assumptions based on shifts in financial capacity and opportunities to advance projects.	8/5/2021
R2021-06	Selecting the Project to be Built for the STRIDE Bus Rapid Transit Maintenance Base	8/12/2021
M2021-45	Increase On Call Contract Capacity for General Engineering Consultant Services Contract for Stride Bus Rapid Transit Program	8/26/2021

Regional Express & STRIDE Bus on Shoulder

Project Summary

Scope This program provides opportunities for buses to use shoulders on freeway and state route facilities during periods of congestion in general traffic and/or HOV lanes. Program is coordinated with transit partners, WSDOT and Federal Highway Administration in order to determine locations that may be feasible.

Phase Planning—Conceptual Engineering and Environmental Review

Budget $3.6 Million—Planning Phase

$0.3 Million—Construction Phase

Schedule Target Date: 2045, On Hold

Examples of Bus-on-Shoulder facilities

Key Project Activities

- Per the ST Board Realignment Decision, this project has been placed on an affordability schedule with an anticipated 10+ year delay. Please see the Executive Summary article on the Board Realignment decision for further details.
- This will be the last update on this project until the project resumes per the realignment decision.

Project Cost Summary

The project cost is summarized below in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The figures shown are in millions. There have been no project expenditures this month as the project is on hold.

Cost Summary by Phase

Project Phase	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$0.9	$0.1	$0.1	$0.9	$0.0
Preliminary Engineering	$2.2	$0.0	$0.0	$2.2	$0.0
Final Design	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Services	$0.0	$0.0	$0.0	$0.0	$0.0
3rd Party Agreements	$0.4	$0.4	$0.4	$0.4	$0.0
Construction	$0.3	$0.3	$0.3	$0.3	$0.0
ROW	$0.1	$0.0	$0.0	$0.1	$0.0
Total	**$3.9**	**$0.8**	**$0.8**	**$3.9**	**$0.0**

Project Schedule

The Board of Directors announced their realignment decision this month which includes a target date of 2045 for the Snohomish & Pierce improvements. The South King improvements have been eliminated and no near-term activities are anticipated at this time. This project has been placed on hold.

Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility to continuously monitor project status and associated risks.

The following were the top project wide risks at the time it was placed on hold.

- The right combination of factors must be present to implement Bus on Shoulder operation: sufficient transit service and ridership along a roadway segment; service that is adversely affected by roadway congestion; and physical and operating conditions along a roadway segment's shoulder that can accommodate improvements to its length, width, pavement, etc.
- Candidate projects must benefit one or more of the three contributing subareas.
- Washington State Patrol and other emergency responders also use shoulders for enforcement and hazard response. Facilitating WSP and emergency responder needs may preclude bus operation on candidate roadway segments or require certain types of improvements beyond shoulder modifications.

Community Engagement

- Outreach activities are minimal at this time.
- We are monitoring outreach needs for the project and are available to answer any questions from the public.

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

Variance is from the project being on hold during the realignment process.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	0.62	0.01	(0.6)
Consultants	n/a	n/a	n/a
TOTAL	0.62	0.01	(0.6)

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
R2021-05	Established a flexible framework to implement the ST2 and ST3 plans that (1) allows project work to proceed right away within the confines of an affordable financial plan; (2) creates opportunities for improved program schedules through project cost reviews, scope changes, additional revenue, and improved economics; and (3) adds an annual Board program review of updated revenue and costs projects to allow the Board to re-visit the realigned capital plan assumptions based on shifts in financial capacity and opportunities to advance projects.	8/5/2021

Regional Express & STRIDE
I-405 Bus Rapid Transit

Project Summary

Scope — Launch a Bus Rapid Transit (BRT) system along the I-405 corridor.

Limits — Approximately 37 miles between Lynnwood and Burien

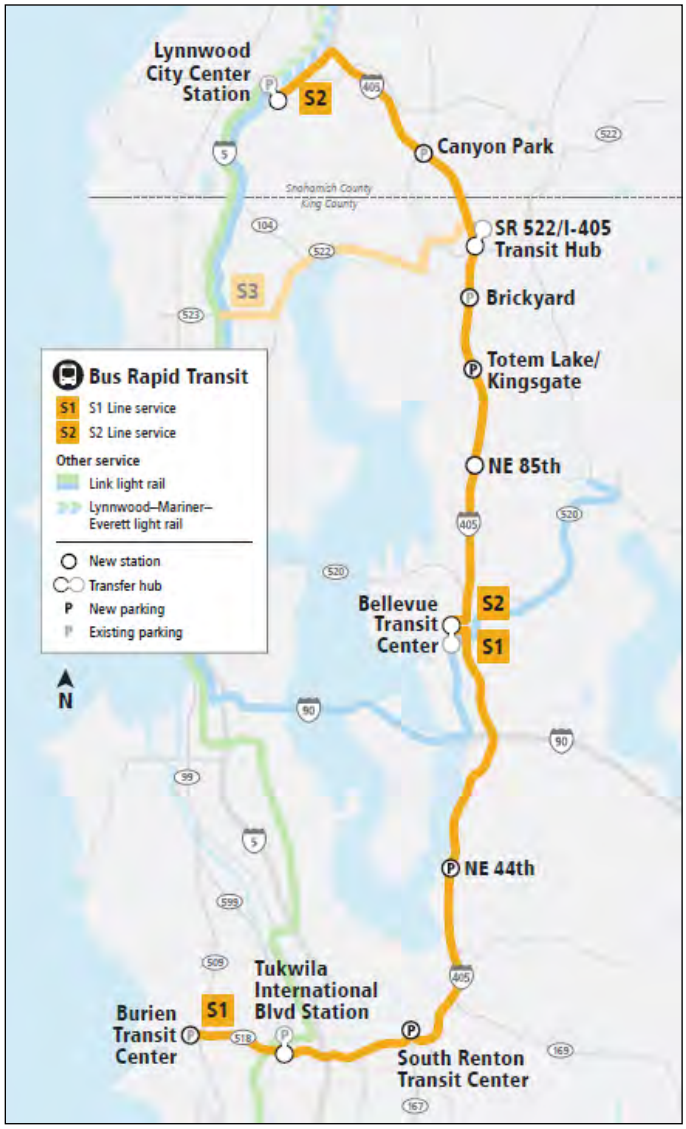
Alignment — I-405 BRT will extend along the I-5, I-405 and SR 518 corridors. BRT will serve Lynnwood, Bothell, Kirkland, Bellevue, Renton, SeaTac, Tukwila, and Burien. Buses will operate in high occupancy vehicle lanes, express toll lanes, bus only lanes and general purpose lanes.

Stations — Lynnwood City Center, Canyon Park, SR 522/I-405 Transit Hub , Brickyard, Totem Lake/Kingsgate, NE 85th, Bellevue Transit Center, NE 44th, South Renton Transit Center, Tukwila International Blvd Station, Burien Transit Center

Phase — Planning Phase 2 Environmental Review and Conceptual Engineering and Phase 3 Preliminary Engineering.

Budget — I-405 BRT: $268.3 Million
Preliminary Engineering (Phases 1-3), GEC Contract in Final Design, Construction Improvement at the 522/405 Canyon Park interchange.

Schedule — Target Date: 2026, not including parking elements



Map of Project Alignment

Key Project Activities

- Developing partnering agreements and letters of concurrence.
- Working with WSDOT to advance environmental and design at 85th, Brickyard, SR 522/I-405 Transit Hub, Canyon Park and Tukwila International Boulevard.
- Updating Project Master Schedule.
- Additional task orders with the General Engineering Consultant (GEC) have been issued to prepare final design framework.
- Evaluating realignment impacts to project schedule and elements.

Project Cost Summary

The project cost is summarized below in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The figures are shown in millions.

This period expenditures are $1.3M, of which $0.2M for staff time, $1.M for project refinement activities, preliminary engineering and environmental activities in the PE phase, $73K in the Final Design phase, and $11K in third party phase.

Cost Summary by Phase

Project Phase	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$11.0	$9.0	$8.9	$11.0	$0.0
Preliminary Engineering	$50.2	$45.6	$28.0	$50.2	$0.0
Final Design	$16.3	$0.9	$0.3	$16.3	$0.0
Construction Services	$0.9	$0.0	$0.0	$0.9	$0.0
3rd Party Agreements	$1.5	$0.9	$0.6	$1.5	$0.0
Construction	$152.2	$118.4	$24.4	$152.2	$0.0
Right-of-Way (ROW)	$36.2	$28.0	$27.2	$36.2	$0.0
Total	**$268.3**	**$202.8**	**$89.4**	**$268.3**	**$0.0**

Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility to continuously monitor project status and associated risks.

The project team continues to hold risk management workshops to identify all the potential risks during design and construction. The risk register will be updated and monitored quarterly.

The following are top project risks and proposed mitigations:

- Completion of WSDOT's I-405 Renton to Bellevue Widening and Express Toll Lanes (ETL) Project. *Risk Mitigation:* Sound Transit participated in WSDOT's Design-Build process for the I-405 Renton to Bellevue Project as a proposal evaluation member and integrated BRT milestones into the WSDOT schedule. Sound Transit staff is participating in design and constructability reviews for BRT related facilities.
- Coordination with WSDOT north-end I-405 Express Toll Lane schedule. Sound Transit and WSDOT staff coordination is ongoing to minimize or eliminate schedule gaps or slowdowns.
- The Tukwila International Boulevard station is on the critical path for a 2026 opening of S1 (Burien to Bellevue). ST and WSDOT staff are developing a Project Development Task Order.

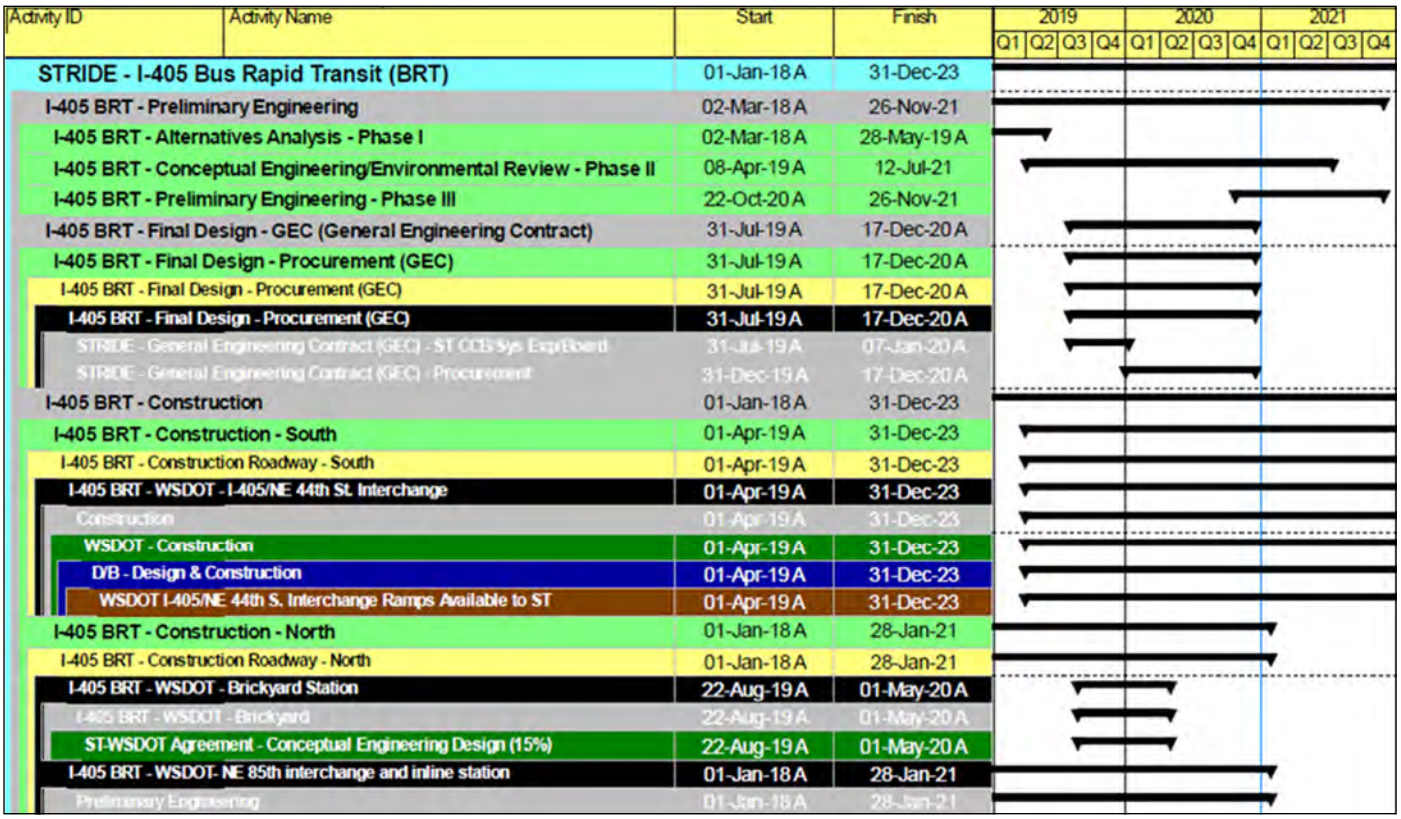
Project Schedule

The Board of Directors announced their realignment decision this month. ST is currently making schedule adjustments in accordance with this direction. At this time, only near-term schedule activities or those for which a funding agreement, contract, statement of work, or similar commitment has been executed are shown.

The current phase, Conceptual Engineering/Environmental Review (Phase 2), commenced in Q2 2019 and is anticipated to complete in Q3 2021. In October 2020, the Sound Transit System Expansion Committee (SEC) authorized advancing the current Conceptual Engineering consultant's (WSP) Preliminary Engineering (Phase 3) SOW per Motion No. M2020-59: Authorizing the chief executive officer to execute a contract modification with WSP USA Inc. to exercise a contract option for Phase 3 preliminary engineering services for the I405 Bus Rapid Transit project. In November 2020, Notice to Proceed (NTP) was provided to WSP.

STRIDE Program is preparing for the "Select Project to Be Built" Board action now that the realignment decision has been made.

The current critical path for the I-405 BRT project is conceptual engineering, environmental review, preliminary engineering, permitting/agreements, final design, construction, intelligent transportation system (ITS) and service line activation. There are other critical design efforts and construction projects being managed by WSDOT, with elements specific to Sound Transit, such as the I-405 Renton to Bellevue Widening and Express Toll Lanes which includes the NE 44th Street interchange and BRT station, I-405 NE 85th interchange and BRT Station, and BRT stations that are part of WSDOTs I-405—SR 522 Vicinity to SR 527 Express Toll Lanes Improvement Project.


Activity ID
Activity Name
Start
Finish
2019
2020
2021
Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4
STRIDE - I-405 Bus Rapid Transit (BRT) 01-Jan-18 A 31-Dec-23
I-405 BRT - Preliminary Engineering 02-Mar-18 A 26-Nov-21
I-405 BRT - Alternatives Analysis - Phase I 02-Mar-18 A 28-May-19 A
I-405 BRT - Conceptual Engineering/Environmental Review - Phase II 08-Apr-19 A 12-Jul-21
I-405 BRT - Preliminary Engineering - Phase III 22-Oct-20 A 26-Nov-21
I-405 BRT - Final Design - GEC (General Engineering Contract) 31-Jul-19 A 17-Dec-20 A
I-405 BRT - Final Design - Procurement (GEC) 31-Jul-19 A 17-Dec-20 A
I-405 BRT - Final Design - Procurement (GEC) 31-Jul-19 A 17-Dec-20 A
I-405 BRT - Final Design - Procurement (GEC) 31-Jul-19 A 17-Dec-20 A
STRIDE - General Engineering Contract (GEC) - ST CCIS Sys Exp/Board 31-Jul-19 A 07-Jan-20 A
STRIDE - General Engineering Contract (GEC) - Procurement 31-Dec-19 A 17-Dec-20 A
I-405 BRT - Construction 01-Jan-18 A 31-Dec-23
I-405 BRT - Construction - South 01-Apr-19 A 31-Dec-23
I-405 BRT - Construction Roadway - South 01-Apr-19 A 31-Dec-23
I-405 BRT - WSDOT - I-405/NE 44th St. Interchange 01-Apr-19 A 31-Dec-23
Construction 01-Apr-19 A 31-Dec-23
WSDOT - Construction 01-Apr-19 A 31-Dec-23
D/B - Design & Construction 01-Apr-19 A 31-Dec-23
WSDOT I-405/NE 44th S. Interchange Ramps Available to ST 01-Apr-19 A 31-Dec-23
I-405 BRT - Construction - North 01-Jan-18 A 28-Jan-21
I-405 BRT - Construction Roadway - North 01-Jan-18 A 28-Jan-21
I-405 BRT - WSDOT - Brickyard Station 22-Aug-19 A 01-May-20 A
I-405 BRT - WSDOT - Brickyard 22-Aug-19 A 01-May-20 A
ST-WSDOT Agreement - Conceptual Engineering Design (15%) 22-Aug-19 A 01-May-20 A
I-405 BRT - WSDOT- NE 85th interchange and inline station 01-Jan-18 A 28-Jan-21
Preliminary Engineering 01-Jan-18 A 28-Jan-21

Community Engagement

We are committed to proactively seeking public input during all stages of the project. The I-405 BRT Community Engagement and Communication Guide establishes a stakeholder engagement process that helps ensure priorities of local communities are heard and considered along with the project-wide goals. We will collaborate with elected officials, partner staff and local communities throughout the project. Due to COVD-19 outreach efforts have shifted to virtual platforms.

- Interagency Group meeting August 17
- Develop survey for community based organizations
- Project realignment message sent to listserv August 17

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

Planned FTE is annual projection. ST Staff level of effort increases with Phase 3 ramps up. The consultant's variance is from the GEC contract that just started with six executed task orders. Progress of GEC will remain low as capacity's increase has just been approved by ST Board this month.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	17.0	13.4	(3.6)
Consultants	90.8	26.9	(63.9)
TOTAL	107.8	40.3	(67.5)

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
R2021-05	Established a flexible framework to implement the ST2 and ST3 plans that (1) allows project work to proceed right away within the confines of an affordable financial plan; (2) creates opportunities for improved program schedules through project cost reviews, scope changes, additional revenue, and improved economics; and (3) adds an annual Board program review of updated revenue and costs projects to allow the Board to revisit the realigned capital plan assumptions based on shifts in financial capacity and opportunities to advance projects.	8/5/2021
M2021-45	Increase On Call Contract Capacity for General Engineering Consultant Services Contract for the Stride Bus Rapid Transit Program	8/26/2021

Regional Express & STRIDE
North Sammamish Park & Ride

Project Summary

Scope

The North Sammamish Park and Ride is a planned parking facility with up to 200 spaces in the northern portion of the City of Sammamish.

Phase

Conceptual Engineering and Environmental Review

Budget

$20 Million

Schedule

Target Date: 2045, On Hold

North Sammamish Park & Ride project area

Key Project Activities

- Per the ST Board Realignment Decision, this project has been placed on an affordability schedule with an anticipated 10+ year delay. Please see the Executive Summary article on the Board Realignment decision for further details.
- This will be the last update on this project until the project resumes per the realignment decision.

Project Cost Summary

The project cost is summarized below in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The figures are shown in millions. There have been no project expenditures this month as the project is on hold.

Project Phase	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$0.8	$0.3	$0.3	$0.8	$0.0
Preliminary Engineering	$1.1	$0.0	$0.0	$1.1	$0.0
Final Design	$0.0	$0.0	$0.0	$0.0	$0.0
Construction Services	$0.0	$0.0	$0.0	$0.0	$0.0
3rd Party Agreements	$0.2	$0.0	$0.0	$0.2	$0.0
Construction	$0.0	$0.0	$0.0	$0.0	$0.0
ROW	$0.1	$0.0	$0.0	$0.0	$0.0
Total	**$2.1**	**$0.3**	**$0.3**	**$2.1**	**$0.0**

Totals may not equal column sums due to rounding of line entries.

Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and develops risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. It is Sound Transit's responsibility to continuously monitor project status and associated risks.

The following were the top project wide risks at the time it was placed on hold:

- City Staff and councilmembers have vocalized interest in a joint parking/City services facility. There is a risk that the City will request additional time to explore and propose a joint development that would involve a structured park and ride.
- Constructing a structured lot would likely pose schedule and budgetary risks to the project. Prolonging the decision on project scope and delivery method may also pose a risk to delivering the project on time.

Project Schedule

The Board of Directors announced their realignment decision this month. ST is currently making schedule adjustments in accordance with this direction. The realignment decision for this project was to put it on hold per Board Resolution No. R2021-05.

Community Engagement

- Outreach activities are minimal at this time.
- We are monitoring outreach needs for the project and are available to answer any questions from the public.

Sound Transit Board Actions

Board Action	Description	Date
R2021-05	Established a flexible framework to implement the ST2 and ST3 plans that (1) allows project work to proceed right away within the confines of an affordable financial plan; (2) creates opportunities for improved program schedules through project cost reviews, scope changes, additional revenue, and improved economics; and (3) adds an annual Board program review of updated revenue and costs projects to allow the Board to revisit the realigned capital plan assumptions based on shifts in financial capacity and opportunities to advance projects.	8/5/2021

Regional Express & STRIDE
SR 522/NE 145th Street Bus Rapid Transit

Project Summary

Scope — Launch a Bus Rapid Transit (BRT) system from the Shoreline South/148th light rail station to UW Bothell campus with connecting service to Woodinville, including park and ride, access improvements, and transit centers.

Limits — Approximately 8 miles between Shoreline and Bothell

Alignment — The BRT route will travel via NE 145th Street and SR 522 serving Seattle, Shoreline, Lake Forest Park, Kenmore, and Bothell, including UW Bothell/Cascadia College area. The route will have a connection to I-405 BRT at the SR 522/I-405 interchange. Buses will operate primarily in Business Access and Transit (BAT) lanes, transit queue bypass lanes, and in general purpose lanes.

Stations — Includes 14 BRT stations. Additional parking is included in Lake Forest Park, Kenmore, and Bothell.

Systems — BRT Operations & Transit Signal Priority

Phase — Phase 3 Preliminary Engineering

Budget — $148.6 Million - Preliminary Engineering Phase (1-3), Bothell Stage 3, Shoreline agreement, Acquisition.

Schedule — Target Date: 2026, not including parking elements

Map of Project Alignment

Illustration of BRT station design in Bothell at NE 185th ST and 104th Ave NE

Key Project Activities

- Continuing stakeholder outreach focused on property owners and businesses.
- Coordinating 30% plans development with the City of Bothell for review.
- Interagency Group is focused on identifying station access projects.
- Reviewing realignment impacts to schedule and project elements.
- Preparing property acquisition packages.

Project Cost Summary

The project cost is summarized below in accordance with Sound Transit's budget Work Breakdown Structure (WBS). The figures are shown in millions.

This period expenditures increased by $752K. This is primarily due to progress on preliminary engineering and environmental for $251K and on Bothell construction for $205K. Sound Transit staff time accounts for $152K, progress on final design for $68K with the GEC contract and in ROW for $68K.

Cost Summary by Phase

Project Phase	Authorized Project Allocation	Commitment to Date	Incurred to Date	Estimated Final Cost (EFC)	Authorized Allocation vs. EFC
Administration	$9.1	$6.5	$6.5	$9.1	$0.0
Preliminary Engineering	$16.9	$15.2	$15.1	$16.9	$0.0
Final Design	$19.8	$0.7	$0.2	$19.8	$0.0
Construction Services	$0.6	$0.0	$0.0	$0.6	$0.0
3rd Party Agreements	16.4	$0.8	$0.5	$11.4	$0.0
Construction	$33.7	$25.0	$21.0	$38.7	$0.0
Right-of-Way (ROW)	$52.1	$0.4	$0.5	$52.1	$0.0
Total	**$148.6**	**$48.6**	**$43.8**	**$148.6**	**$0.0**

Risk Management

The Risk and Contingency Management Plan (RCMP) establishes a risk management and oversight process for identifying, assessing, and monitoring risks and developing risk reduction/mitigation plans. It provides a tool for the project team to proactively manage risks on the project. Sound Transit continuously monitors project status and assesses associated risks.

The project team continues to hold risk management workshops to identify all the potential risks during design and construction. The risk register will be updated and monitored quarterly.

The following are the top project risks and proposed mitigations:

- The SR 522/NE 145th Street BRT project is an early deliverable and involves close coordination with multiple project partners. Staff and consultants are continuing to coordinate closely with project partners.
- Early concurrence on project components is a key effort of project development though on-going coordination with the Project Interagency Coordination Group, City Managers Group and Elected Leadership Group. Letters of Concurrence are being developed with jurisdictions on the SR 522/145th BRT alignment for the project advancing to 30 percent design.
- Coordination of project on NE 145th with WSDOT and the Cities of Seattle and Shoreline - complex jurisdictional situation and third partner expectation for ST capital investment. Partner agency staff are actively working towards a solution.

Project Schedule*

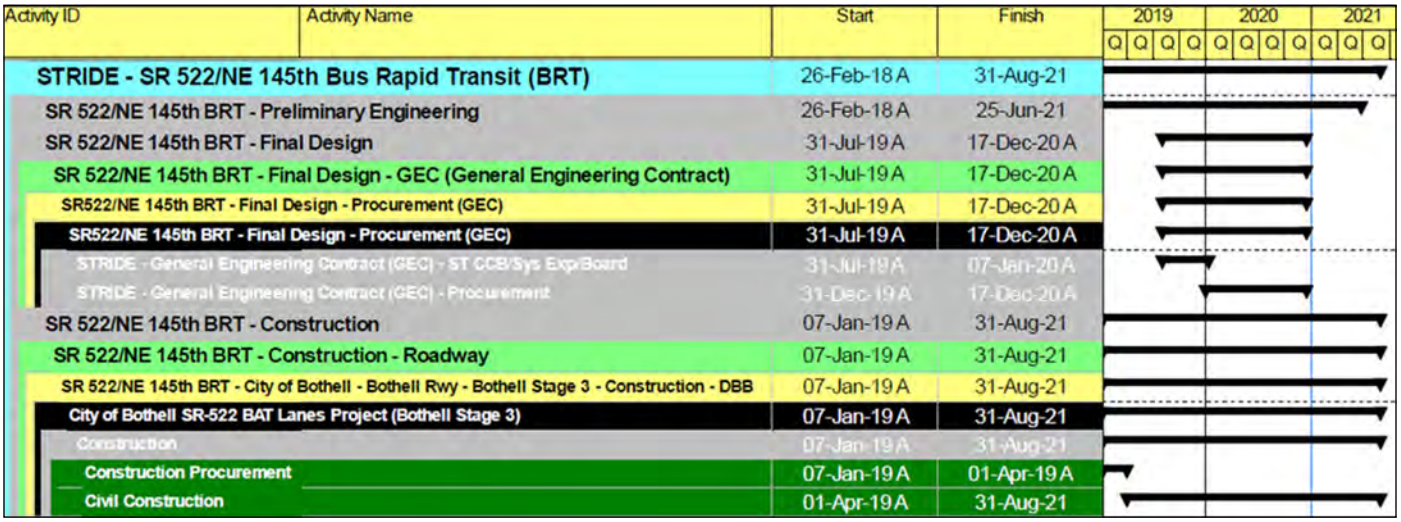
The Board of Directors announced their realignment decision this month. ST is currently making schedule adjustments in accordance with this direction. At this time, only near-term schedule activities or those for which a funding agreement, contract, statement of work, or similar commitment has been executed are shown.

The SR 522/NE 145th BRT Project Refinement Phase completed in Q2 2019. Conceptual Engineering/Environmental Review, commenced in Q2 2019 and this phase completed in Q2 2021. The Preliminary Engineering phase is anticipated to complete in Q3 2021. The 30% design has been completed for the NE 145th, Lake Forest Park and Kenmore segments, and is being finalized for the Bothell segment. All segments have been reviewed by the local Authorities Having Jurisdiction (AHJ) and/or Sound Transit's third party partners, including WSDOT and others. The SEPA expanded checklist work was completed in Q1 2021.

STRIDE Program is preparing for the ST Board action "Select Project to Be Built" now that the Board realignment decision has been made.

The current critical path for the ST 522/NE 145th BRT project is Right-of-Way (ROW) civil certification, ROW acquisition, permitting/agreements, final design, construction, intelligent transportation system and service line activation.

**Sound Transit contributed construction funding to certain city(s)/Authorities Having Jurisdiction (AHJ) where construction by contracts managed by those city(s) (e.g. City of Bothell) commenced in Q2 2019 allowing early construction of transit speed and reliability on roadways along the BRT corridor in advance of BRT service operation.*


Activity ID
Activity Name
Start
Finish
2019
2020
2021
STRIDE - SR 522/NE 145th Bus Rapid Transit (BRT) 26-Feb-18 A 31-Aug-21
SR 522/NE 145th BRT - Preliminary Engineering 26-Feb-18 A 25-Jun-21
SR 522/NE 145th BRT - Final Design 31-Jul-19 A 17-Dec-20 A
SR 522/NE 145th BRT - Final Design - GEC (General Engineering Contract) 31-Jul-19 A 17-Dec-20 A
SR522/NE 145th BRT - Final Design - Procurement (GEC) 31-Jul-19 A 17-Dec-20 A
SR522/NE 145th BRT - Final Design - Procurement (GEC) 31-Jul-19 A 17-Dec-20 A
STRIDE - General Engineering Contract (GEC) - ST CCB/Sys Exp/Board 31-Jul-19 A 07-Jan-20 A
STRIDE - General Engineering Contract (GEC) - Procurement 31-Dec-19 A 17-Dec-20 A
SR 522/NE 145th BRT - Construction 07-Jan-19 A 31-Aug-21
SR 522/NE 145th BRT - Construction - Roadway 07-Jan-19 A 31-Aug-21
SR 522/NE 145th BRT - City of Bothell - Bothell Rwy - Bothell Stage 3 - Construction - DBB 07-Jan-19 A 31-Aug-21
City of Bothell SR-522 BAT Lanes Project (Bothell Stage 3) 07-Jan-19 A 31-Aug-21
Construction 07-Jan-19 A 31-Aug-21
Construction Procurement 07-Jan-19 A 01-Apr-19 A
Civil Construction 01-Apr-19 A 31-Aug-21

Community Engagement

We are committed to proactively seeking public input during all stages of the project. The SR522 BRT Community Engagement and Communication Guide establishes a stakeholder engagement process that helps ensure priorities of local communities are heard and considered along with the project-wide goals. We will collaborate with elected officials, partner staff, and local communities throughout the project. Due to COVD-19 outreach efforts have shifted to virtual platforms.

- Interagency Group meeting August 12
- Develop plan for first property owner package project update
- Project realignment message sent to listserv August 17

Staffing Summary

The planned Full-Time Equivalent (FTE) is an annual projection of ST project staff and consultants. Planned FTE are an annual projection and remains constant from month to month. The Year-to-Date (YTD) Performance is the total actual FTEs accumulated through this reporting period. Staffing status is summarized in the following table.

Planned FTE is an annual projection. ST staffing variance is less than planned as some of the activities of the project were on pause during realignment. Consultant variance is from the GEC contract that has just started with six executed task orders. Progress on GEC is slow as capacity's increase has just been approved in August by the Board.

Resource Type	Planned FTE Monthly Average	YTD Actual FTE Monthly Average	Variance
ST Staff	15.2	10.2	(5.0)
Consultants	75.1	16.2	(58.9)
TOTAL	90.3	26.4	(63.9)

** An FTE is the equivalent of 2080 hours. YTD performance FTE hours are divided by a monthly factor of 173.33.*

Sound Transit Board Actions

Board Action	Description	Date
R2021-05	Established a flexible framework to implement the ST2 and ST3 plans that (1) allows project work to proceed right away within the confines of an affordable financial plan; (2) creates opportunities for improved program schedules through project cost reviews, scope changes, additional revenue, and improved economics; and (3) adds an annual Board program review of updated revenue and costs projects to allow the Board to revisit the realigned capital plan assumptions based on shifts in financial capacity and opportunities to advance projects.	8/5/2021
M2021-45	Increase On Call Contract Capacity for General Engineering Consultant Services Contract for the Stride Bus Rapid Transit Program	8/26/2021

Project Summary

Scope Sound Transit is evaluating the need for an operations and maintenance base. Project development activities include confirmation of fleet operations, facilities and site programming, and identification of site alternative.

Phase Planning

Budget $5.8 Million

Schedule On hold per the Board Realignment Decision.

ST. Express bus maintenance performed by transit partners

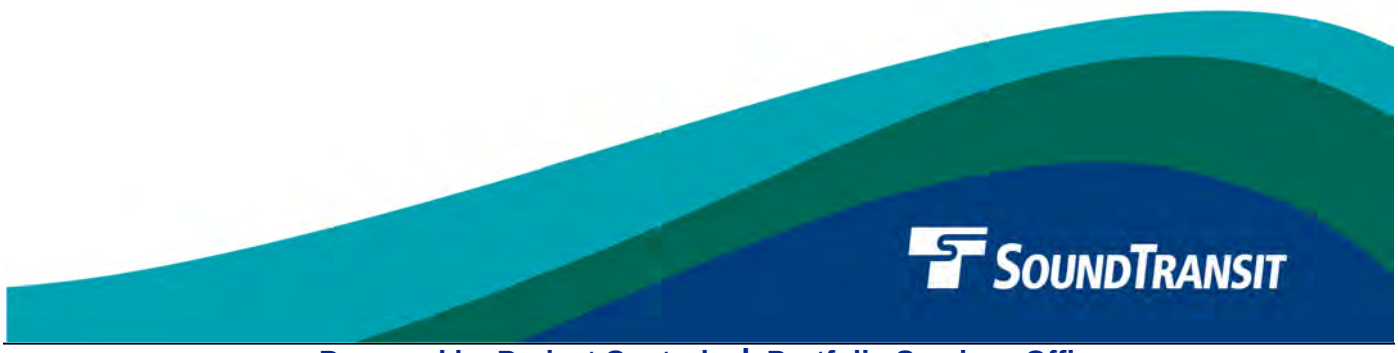
Key Project Activities

- Per the ST Board Realignment Decision, this project has been placed on an affordability schedule with an anticipated 10 year delay. See the Executive Summary article on the Board Realignment decision for further details.
- This will be the last report update on this project until the project resumes with funding.

Sound Transit Board Actions

Board Action	Description	Date
R2021-05	Established a flexible framework to implement the ST2 and ST3 plans that (1) allows project work to proceed right away within the confines of an affordable financial plan; (2) creates opportunities for improved program schedules through project cost reviews, scope changes, additional revenue, and improved economics; and (3) adds an annual Board program review of updated revenue and costs projects to allow the Board to revisit the realigned capital plan assumptions based on shifts in financial capacity and opportunities to advance projects.	8/5/2021

Progress Report
Capital Program Support



Current Grant Funding *(Includes only Active Executed Grants)*

Line of Business	Grant Number	Grant / Project Description	Award Amount	Date Executed	Balance Remaining
FEDERAL TRANSIT AUTHORITY					
LINK LIGHT RAIL	WA-03-0237	University Link Extension	684,370,645	07/01/2008	69,509,650
LINK LIGHT RAIL	WA-2016-012	Tacoma Link Extension LRV	6,000,000	09/14/2016	2,000,765
LINK LIGHT RAIL	WA-2018-013	Hilltop Tacoma Link Extension SYGA	74,999,999	05/15/2018	41,597,751
SOUNDER COMMUTER RAIL	WA-2018-015	Sounder Rolling Stock	7,800,002	03/08/2018	7,800,002
LINK LIGHT RAIL	WA-2018-024	Northgate Link Extension	49,708,902	05/09/2018	-
LINK LIGHT RAIL	WA-2018-030	Angle Lake to K/DM	13,000,000	01/22/2020	1,967,617
SOUNDER COMMUTER RAIL	WA-2018-081	Puyallup Station Access Improvements	6,700,000	11/16/2018	271,715
LINK LIGHT RAIL	WA-2018-082	* East Lake Sammamish Trail North Extensio	2,318,683	04/29/2020	2,138,713
LINK LIGHT RAIL	WA-2019-001	Lynnwood Link Extension FFGA	400,000,000	04/29/2019	-1,275,333
REGIONAL EXPRESS	WA-2019-024	Bus Replacements	10,683,776	04/19/2019	-5,763,370
LINK LIGHT RAIL	WA-2020-001	Federal Way Link Extension	200,000,000	01/22/2020	10,924,120
SOUNDER COMMUTER RAIL	WA-2020-002	S Sounder Capacity Exansion	5,600,000	12/13/2019	5,600,000
REGIONAL EXPRESS	WA-2020-007	I-405 Bus Rapid Transit- Bus Procurement	3,500,000	12/30/2019	3,500,000
REGIONAL FUND	WA-2020-045	CARES Act	166,282,134	05/19/2020	95,272,061
LINK LIGHT RAIL	WA-95-X061	Hilltop Tacoma Link Extension	5,599,943	05/28/2013	285,750
REGIONAL EXPRESS	WA-95-X073	Bellevue Way HOV - E Link	2,200,000	08/07/2014	976,196
		TOTAL FEDERAL TRANSIT AUTHORITY	**1,638,764,084**		**234,805,637**
OTHER FEDERAL					
REGIONAL FUND	EMW-2017-RA-00018	Radio Communication Network	662,238	11/02/2017	662,238
REGIONAL FUND	EMW-2019-RA-00014	ATAT, Crit Evnt OT, Fac Hardening	1,315,813	09/01/2019	1,315,813
		TOTAL OTHER FEDERAL	**1,978,051**		**1,978,051**
STATE					
REGIONAL FUND	19-92501-015	Agency Energy Efficiency Project	197,000	06/03/2019	197,000
REGIONAL EXPRESS	PTD0164	Afford & Access Improv Low Income Riders	500,000	02/12/2020	320,000
		TOTAL STATE	**697,000**		**517,000**
		TOTAL ALL GRANTS	**1,437,050,761**		**237,300,688**

Above table as of 2nd QTR 2020. This section is updated every quarter.

Sustainability

Sustainability is at the core of Sound Transit's mission to connect more people to more places efficiently, affordably, reliably and in an environmentally friendly manner. Investing in transit builds a better future, maintains a clean environment, and supports both healthy communities and vibrant economies. At Sound Transit, sustainability is about more than the natural environment – it is a holistic goal that protects and enhances people, planet and prosperity.

In 2020, Sound Transit continues to carry out a wide range of projects, with increased focus on integrating sustainable design into capital expansion – from planning and final design to construction. With the passage of the ST3 Plan, a fully funded Sustainability Program will integrate green building and infrastructure in projects across all phases of development.

Sound Transit continues to implement our Sustainability Initiative through our internationally certified (ISO 14001) Environmental and Sustainability Management System (ESMS). The agency also continues to be a transit industry leader through our ongoing participation in APTA's Sustainability Commitment at the platinum recognition level.

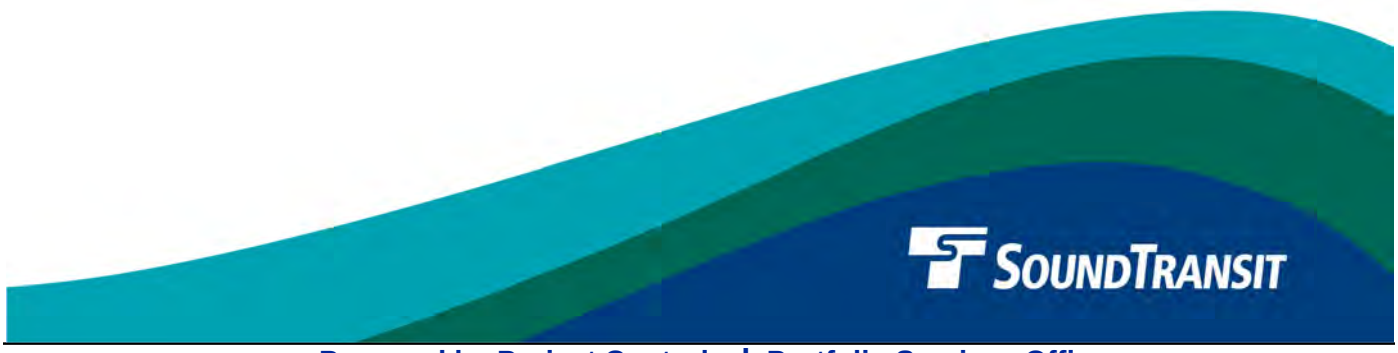
Key Q2 2020 Accomplishments and Activities

- Began planning for ESMS Internal and Compliance audit.
- Completed greenhouse gas and sustainability inventory and Progress Report.
- Celebrated Earth Month with internal and external engagement.
- Completed ESMS Management Review with Executive Leadership.

Key Upcoming Activities for Q3 2020

- Complete ESMS Internal and Compliance audit.
- Present Sustainability Progress Report to the Sound Transit Board of Directors.
- Conduct internal staff engagement on Sustainability Progress Report.
- Attend APTA Annual Sustainability Workshop.
- Determine path forward for 2020 Battery Electric Bus work.
- Finalize the guidelines for using funds from the ST3 Sustainability Cost Allowance.
- Finalize procedure for integrating utility rebates on capital projects.

Progress Report
Acronyms



AA	Alternative Analysis
AHU	Air Handling Units
ALTA	American Land Title Association
BCE	Baseline Cost Estimate
BCWS	Budgeted Cost of Work
BIM	Building Information Modeling
BNSF	Burlington Northern Santa Fe Railway
BOS	Bus on Shoulder
BRT	Bus Rapid Transit
CCB	Change Control Board
CDF	Controlled Density Fill
CHS	Capitol Hill Station
CM	Construction Management
CMU	Concrete Masonry Unit
CO	Change Order
CPI	Cost Performance Index
CPM	Critical Path Method
DAHP	Department of Archaeology & History Preservation
DART	Days Away, Restricted or Modified
DB	Design-Build
DBPM	Design-Build Project Management
DCE	Document Categorical Exclusion
DECM	Design, Engineering and Construction Management
DEIS	Draft Environmental Impact Statement
DP	Design Package
DPD	Seattle Department of Planning and Development
DSC	Differing Site Conditions
DSDC	Design Support During Construction
DSTT	Downtown Seattle Transit Tunnel
EFC	Estimated Final Cost
EMI	Electro Magnetic Interference
ERC	East Rail Corridor
FD	Final Design
FHWA	Federal Highway Administration
FSEIS	Final Supplemental Environmental Impact Statement
FFGA	Full Funding Grant Agreement
FTA	Federal Transit Administration
FTE	Full Time Employee
GC/CM	General Contractor /Construction Management
GEC	General Engineering Contract
HVAC	Heating, Ventilation and Air Conditioning
ICD	Integration Control Document
IFB	Issue for Bids
IFC	Issue for Construction, also Industry Foundation Classes
IRT	Independent Review Team
IWP	Industrial Waste Permit
JA	Jacobs Associates
JARPA	Joint Aquatic Resource Permit Application
KCM	King County Metro
LNTP	Limited Notice to Proceed
LRRP	Light Rail Review Panel
LRT	Light Rail Transit
LRV	Light Rail Vehicle
LTK	LTK Engineering Services
MACC	Maximum Allowable Construction Cost
MEPF	Mechanical/Electrical/Plumbing/Fire Sprinkler
MLK	Martin Luther King, Jr. Way
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MOW	Maintenance of Way
MPPCV	Major Public Project Construction Variance
MRB	Material Review Board
MUP	Master Use Permit
NB	Northbound
NCR	Notification of Change Report
NCTP	North Corridor Transit Partners
NEPA	National Environmental Policy Act

NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollutant Discharge Elimination System
NTP	Notice to Proceed
OCS	Overhead Catenary System
OMF	Operations and Maintenance Facility
OMSF	Operations and Maintenance Satellite Facility
PE	Preliminary Engineering
PEP	Project Execution Plan
PEPD	Planning, Environment and Project Development
PMOC	Project Management Oversight Consultant
PSST	Pine Street Stub Tunnel
QA	Quality Assurance
QC	Quality Control
QTR	Quarter
RE	Resident Engineer
RFC	Request for Change
RFD	Request for Deviation
RFI	Request for Information
RFP	Request for Proposal
RFQ	Request for Qualifications
RIR	Recordable Injury Rates
RMP	Risk Management Plan
ROD	Record of Decision
ROW	Right -of -Way
RSD	Revenue Service Date
SB	Southbound
SCADA	Supervisory Central and Data Acquisition
SCC	Standard Cost Categories
SCL	Seattle City Light
SDEIS	Supplemental Draft Environmental Impact Statement
SEPA	State Environmental Policy Act
SIP	Street Improvement Permitting
SPI	Schedule Performance Index
SR	State Route
ST	Sound Transit
START	Seattle Tunnel and Rail Team
SWI	Stacy and Witbeck, Inc.
TBM	Tunnel Boring Machine
TCAL	Temporary Construction Airspace Lease
TCE	Temporary Construction Easement
TE	Traction Electrification
TFK	Traylor Frontier Kemper Joint Venture
TOD	Transit Oriented Development
TVM	Ticket Vending Machine
UAC	Unallocated Contingency
U-Link	University Link project
UDS	University District Station
USFWS	U.S. Fish and Wildlife Service
UW	University Of Washington
UST	Underground Storage Tank
UWS	University of Washington Station
VAV	Variable Air Volume
VE	Value Engineering
VECP	Value Engineering Cost Proposal
WBS	Work Breakdown Structure
WDFW	Washington Department of Fish and Wildlife
WSDOT	Washington Department of Transportation